

Appendix O for KSCR220400050308

1. Effective (Isotropic) Radiated Power Output Data

1.1 B17_5MHz_ERP

1.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	706.5	1	0	23.81	1.00	22.66	<=34.77	Pass		
			13	24.18	1.00	23.03	<=34.77	Pass		
			24	23.75	1.00	22.60	<=34.77	Pass		
		12	0	23.09	1.00	21.94	<=34.77	Pass		
			6	23.08	1.00	21.93	<=34.77	Pass		
			13	23.14	1.00	21.99	<=34.77	Pass		
		25	0	22.99	1.00	21.84	<=34.77	Pass		
		710	1	0	23.83	1.00	22.68	<=34.77	Pass	
				13	24.09	1.00	22.94	<=34.77	Pass	
	24			23.88	1.00	22.73	<=34.77	Pass		
	12		0	23.04	1.00	21.89	<=34.77	Pass		
			6	23.08	1.00	21.93	<=34.77	Pass		
			13	23.11	1.00	21.96	<=34.77	Pass		
	25		0	23.01	1.00	21.86	<=34.77	Pass		
	713.5		1	0	23.96	1.00	22.81	<=34.77	Pass	
				13	24.23	1.00	23.08	<=34.77	Pass	
		24		23.89	1.00	22.74	<=34.77	Pass		
		12	0	23.00	1.00	21.85	<=34.77	Pass		
			6	23.14	1.00	21.99	<=34.77	Pass		
			13	23.01	1.00	21.86	<=34.77	Pass		
		25	0	23.05	1.00	21.90	<=34.77	Pass		
		16QAM	706.5	1	0	22.66	1.00	21.51	<=34.77	Pass
					13	22.83	1.00	21.68	<=34.77	Pass
	24				22.33	1.00	21.18	<=34.77	Pass	
12	0			21.95	1.00	20.80	<=34.77	Pass		
	6			21.92	1.00	20.77	<=34.77	Pass		
	13			21.88	1.00	20.73	<=34.77	Pass		
25	0			22.03	1.00	20.88	<=34.77	Pass		
710	1			0	23.44	1.00	22.29	<=34.77	Pass	
				13	23.90	1.00	22.75	<=34.77	Pass	
			24	23.38	1.00	22.23	<=34.77	Pass		
	12		0	21.74	1.00	20.59	<=34.77	Pass		
			6	21.89	1.00	20.74	<=34.77	Pass		
			13	21.84	1.00	20.69	<=34.77	Pass		
	25		0	21.98	1.00	20.83	<=34.77	Pass		
	713.5		1	0	22.86	1.00	21.71	<=34.77	Pass	
				13	23.30	1.00	22.15	<=34.77	Pass	
24				22.87	1.00	21.72	<=34.77	Pass		

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		12	0	21.71	1.00	20.56	<=34.77	Pass	
			6	21.82	1.00	20.67	<=34.77	Pass	
			13	21.94	1.00	20.79	<=34.77	Pass	
		25	0	21.85	1.00	20.70	<=34.77	Pass	
64QAM	706.5	1	0	21.83	1.00	20.68	<=34.77	Pass	
			13	21.86	1.00	20.71	<=34.77	Pass	
			24	21.74	1.00	20.59	<=34.77	Pass	
		12	0	20.94	1.00	19.79	<=34.77	Pass	
			6	20.84	1.00	19.69	<=34.77	Pass	
			13	20.86	1.00	19.71	<=34.77	Pass	
		25	0	21.14	1.00	19.99	<=34.77	Pass	
		710	1	0	22.01	1.00	20.86	<=34.77	Pass
				13	22.39	1.00	21.24	<=34.77	Pass
	24			21.84	1.00	20.69	<=34.77	Pass	
	12		0	20.98	1.00	19.83	<=34.77	Pass	
			6	20.99	1.00	19.84	<=34.77	Pass	
			13	21.13	1.00	19.98	<=34.77	Pass	
	25		0	20.86	1.00	19.71	<=34.77	Pass	
	713.5		1	0	21.33	1.00	20.18	<=34.77	Pass
				13	21.49	1.00	20.34	<=34.77	Pass
		24		20.90	1.00	19.75	<=34.77	Pass	
		12	0	20.93	1.00	19.78	<=34.77	Pass	
			6	21.00	1.00	19.85	<=34.77	Pass	
			13	20.91	1.00	19.76	<=34.77	Pass	
		25	0	20.53	1.00	19.38	<=34.77	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B17_10MHz_ERP

1.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	709	1	0	24.17	1.00	23.02	<=34.77	Pass
			25	24.35	1.00	23.20	<=34.77	Pass
			49	24.18	1.00	23.03	<=34.77	Pass
		25	0	23.10	1.00	21.95	<=34.77	Pass
			13	23.18	1.00	22.03	<=34.77	Pass
			25	23.08	1.00	21.93	<=34.77	Pass
	50	0	23.10	1.00	21.95	<=34.77	Pass	
	710	1	0	24.23	1.00	23.08	<=34.77	Pass
			25	24.54	1.00	23.39	<=34.77	Pass
			49	24.05	1.00	22.90	<=34.77	Pass
		25	0	22.96	1.00	21.81	<=34.77	Pass
			13	23.01	1.00	21.86	<=34.77	Pass
			25	23.03	1.00	21.88	<=34.77	Pass
	50	0	22.99	1.00	21.84	<=34.77	Pass	
	711	1	0	24.19	1.00	23.04	<=34.77	Pass



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16QAM	709	25	25	24.54	1.00	23.39	<=34.77	Pass	
			49	23.95	1.00	22.80	<=34.77	Pass	
			0	22.95	1.00	21.80	<=34.77	Pass	
			13	23.10	1.00	21.95	<=34.77	Pass	
			25	22.97	1.00	21.82	<=34.77	Pass	
	50	0	23.07	1.00	21.92	<=34.77	Pass		
		1	0	23.64	1.00	22.49	<=34.77	Pass	
			25	23.62	1.00	22.47	<=34.77	Pass	
	49		23.50	1.00	22.35	<=34.77	Pass		
	710	25	0	22.16	1.00	21.01	<=34.77	Pass	
			13	22.11	1.00	20.96	<=34.77	Pass	
			25	22.00	1.00	20.85	<=34.77	Pass	
			50	0	21.86	1.00	20.71	<=34.77	Pass
			0	23.46	1.00	22.31	<=34.77	Pass	
	711	25	0	23.81	1.00	22.66	<=34.77	Pass	
49			23.72	1.00	22.57	<=34.77	Pass		
0			21.80	1.00	20.65	<=34.77	Pass		
13			22.01	1.00	20.86	<=34.77	Pass		
25			22.04	1.00	20.89	<=34.77	Pass		
710	25	0	21.89	1.00	20.74	<=34.77	Pass		
		0	22.98	1.00	21.83	<=34.77	Pass		
		25	23.10	1.00	21.95	<=34.77	Pass		
		49	22.84	1.00	21.69	<=34.77	Pass		
		0	21.79	1.00	20.64	<=34.77	Pass		
711	25	13	22.06	1.00	20.91	<=34.77	Pass		
		25	21.98	1.00	20.83	<=34.77	Pass		
		0	21.73	1.00	20.58	<=34.77	Pass		
		0	22.74	1.00	21.59	<=34.77	Pass		
		25	22.80	1.00	21.65	<=34.77	Pass		
64QAM	709	25	49	22.75	1.00	21.60	<=34.77	Pass	
			0	21.16	1.00	20.01	<=34.77	Pass	
			13	21.26	1.00	20.11	<=34.77	Pass	
			25	21.35	1.00	20.20	<=34.77	Pass	
			50	0	21.27	1.00	20.12	<=34.77	Pass
	710	25	0	21.81	1.00	20.66	<=34.77	Pass	
			25	22.01	1.00	20.86	<=34.77	Pass	
			49	21.76	1.00	20.61	<=34.77	Pass	
			0	21.00	1.00	19.85	<=34.77	Pass	
			13	21.18	1.00	20.03	<=34.77	Pass	
	711	25	25	21.14	1.00	19.99	<=34.77	Pass	
			0	20.97	1.00	19.82	<=34.77	Pass	
			0	21.75	1.00	20.60	<=34.77	Pass	
			25	22.29	1.00	21.14	<=34.77	Pass	
			49	21.65	1.00	20.50	<=34.77	Pass	
710	25	0	21.06	1.00	19.91	<=34.77	Pass		
		13	21.11	1.00	19.96	<=34.77	Pass		
		25	21.09	1.00	19.94	<=34.77	Pass		
		0	21.02	1.00	19.87	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15



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2. Frequency Stability

2.1 B17_5MHz

2.1.1 Test Result

Band: 17 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	706.5	25	0	20	6.12	0.072	0.0001	-2.5 to 2.5	Pass	
					7.2	-0.186	-0.0003	-2.5 to 2.5	Pass	
					8.28	-1.016	-0.0014	-2.5 to 2.5	Pass	
				-30	7.2	-0.272	-0.0004	-2.5 to 2.5	Pass	
					-20	7.2	-0.215	-0.0003	-2.5 to 2.5	Pass
						-10	7.2	-0.687	-0.0010	-2.5 to 2.5
				0	7.2	0.229	0.0003	-2.5 to 2.5	Pass	
					10	7.2	0.243	0.0003	-2.5 to 2.5	Pass
					30	7.2	0.701	0.0010	-2.5 to 2.5	Pass
					40	7.2	0.830	0.0012	-2.5 to 2.5	Pass
					50	7.2	-0.243	-0.0003	-2.5 to 2.5	Pass
				710	25	0	20	6.12	3.147	0.0044
	7.2	2.804	0.0039					-2.5 to 2.5	Pass	
	8.28	2.289	0.0032					-2.5 to 2.5	Pass	
	-30	7.2	2.003				0.0028	-2.5 to 2.5	Pass	
		-20	7.2				2.346	0.0033	-2.5 to 2.5	Pass
			-10				7.2	1.674	0.0024	-2.5 to 2.5
	0	7.2	1.574				0.0022	-2.5 to 2.5	Pass	
		10	7.2				1.001	0.0014	-2.5 to 2.5	Pass
		30	7.2				1.602	0.0023	-2.5 to 2.5	Pass
		40	7.2				1.116	0.0016	-2.5 to 2.5	Pass
		50	7.2				1.273	0.0018	-2.5 to 2.5	Pass
	713.5	25	0				20	6.12	2.589	0.0036
				7.2	2.131	0.0030		-2.5 to 2.5	Pass	
				8.28	2.246	0.0031		-2.5 to 2.5	Pass	
				-30	7.2	1.988	0.0028	-2.5 to 2.5	Pass	
					-20	7.2	2.203	0.0031	-2.5 to 2.5	Pass
						-10	7.2	1.388	0.0019	-2.5 to 2.5
				0	7.2	0.873	0.0012	-2.5 to 2.5	Pass	
					10	7.2	0.801	0.0011	-2.5 to 2.5	Pass
30					7.2	2.346	0.0033	-2.5 to 2.5	Pass	
40					7.2	1.731	0.0024	-2.5 to 2.5	Pass	
50					7.2	1.616	0.0023	-2.5 to 2.5	Pass	
16QAM				706.5	25	0	20	6.12	0.300	0.0004
	7.2	1.431	0.0020					-2.5 to 2.5	Pass	
	8.28	0.629	0.0009					-2.5 to 2.5	Pass	
	-30	7.2	0.558				0.0008	-2.5 to 2.5	Pass	
		-20	7.2				0.858	0.0012	-2.5 to 2.5	Pass
			-10				7.2	1.302	0.0018	-2.5 to 2.5
	0	7.2	1.545				0.0022	-2.5 to 2.5	Pass	



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64QAM	710	25	0	10	7.2	1.645	0.0023	-2.5 to 2.5	Pass			
				30	7.2	1.488	0.0021	-2.5 to 2.5	Pass			
				40	7.2	1.645	0.0023	-2.5 to 2.5	Pass			
				50	7.2	1.845	0.0026	-2.5 to 2.5	Pass			
				20	6.12	1.159	0.0016	-2.5 to 2.5	Pass			
					7.2	1.545	0.0022	-2.5 to 2.5	Pass			
					8.28	0.801	0.0011	-2.5 to 2.5	Pass			
				-30	7.2	0.286	0.0004	-2.5 to 2.5	Pass			
				-20	7.2	0.615	0.0009	-2.5 to 2.5	Pass			
				-10	7.2	0.257	0.0004	-2.5 to 2.5	Pass			
				0	7.2	0.057	0.0001	-2.5 to 2.5	Pass			
				10	7.2	0.014	0.0000	-2.5 to 2.5	Pass			
				30	7.2	1.330	0.0019	-2.5 to 2.5	Pass			
				40	7.2	1.330	0.0019	-2.5 to 2.5	Pass			
	50	7.2	0.472	0.0007	-2.5 to 2.5	Pass						
	713.5	25	0	20	6.12	1.502	0.0021	-2.5 to 2.5	Pass			
					7.2	1.531	0.0021	-2.5 to 2.5	Pass			
					8.28	1.273	0.0018	-2.5 to 2.5	Pass			
				-30	7.2	1.373	0.0019	-2.5 to 2.5	Pass			
				-20	7.2	0.114	0.0002	-2.5 to 2.5	Pass			
				-10	7.2	0.372	0.0005	-2.5 to 2.5	Pass			
				0	7.2	0.186	0.0003	-2.5 to 2.5	Pass			
				10	7.2	0.014	0.0000	-2.5 to 2.5	Pass			
				30	7.2	0.944	0.0013	-2.5 to 2.5	Pass			
				40	7.2	0.572	0.0008	-2.5 to 2.5	Pass			
				50	7.2	0.415	0.0006	-2.5 to 2.5	Pass			
				706.5	25	0	20	6.12	1.646	0.0023	-2.5 to 2.5	Pass
								7.2	-0.230	-0.0003	-2.5 to 2.5	Pass
8.28								2.268	0.0032	-2.5 to 2.5	Pass	
-30	7.2	-7.005	-0.0099				-2.5 to 2.5	Pass				
-20	7.2	3.028	0.0043				-2.5 to 2.5	Pass				
-10	7.2	0.899	0.0013				-2.5 to 2.5	Pass				
0	7.2	1.568	0.0022				-2.5 to 2.5	Pass				
10	7.2	-5.850	-0.0083				-2.5 to 2.5	Pass				
30	7.2	1.490	0.0021				-2.5 to 2.5	Pass				
40	7.2	1.172	0.0017				-2.5 to 2.5	Pass				
50	7.2	0.883	0.0012				-2.5 to 2.5	Pass				
710	25	0	20				6.12	2.862	0.0040	-2.5 to 2.5	Pass	
							7.2	-3.348	-0.0047	-2.5 to 2.5	Pass	
							8.28	6.406	0.0090	-2.5 to 2.5	Pass	
			-30	7.2	0.274	0.0004	-2.5 to 2.5	Pass				
			-20	7.2	1.601	0.0023	-2.5 to 2.5	Pass				
			-10	7.2	-3.481	-0.0049	-2.5 to 2.5	Pass				
			0	7.2	5.931	0.0084	-2.5 to 2.5	Pass				
			10	7.2	1.415	0.0020	-2.5 to 2.5	Pass				
			30	7.2	0.914	0.0013	-2.5 to 2.5	Pass				
			40	7.2	-1.287	-0.0018	-2.5 to 2.5	Pass				
50	7.2	6.515	0.0092	-2.5 to 2.5	Pass							
713.5	25	0	20	6.12	2.148	0.0030	-2.5 to 2.5	Pass				
				7.2	0.053	0.0001	-2.5 to 2.5	Pass				
				8.28	-0.830	-0.0012	-2.5 to 2.5	Pass				

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				-30	7.2	8.360	0.0117	-2.5 to 2.5	Pass
				-20	7.2	-0.236	-0.0003	-2.5 to 2.5	Pass
				-10	7.2	-1.198	-0.0017	-2.5 to 2.5	Pass
				0	7.2	-0.383	-0.0005	-2.5 to 2.5	Pass
				10	7.2	7.947	0.0111	-2.5 to 2.5	Pass
				30	7.2	1.348	0.0019	-2.5 to 2.5	Pass
				40	7.2	0.367	0.0005	-2.5 to 2.5	Pass
				50	7.2	-2.138	-0.0030	-2.5 to 2.5	Pass

2.2 B17_10MHz

2.2.1 Test Result

Band: 17 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	709	50	0	20	6.12	0.157	0.0002	-2.5 to 2.5	Pass	
					7.2	0.143	0.0002	-2.5 to 2.5	Pass	
					8.28	-0.343	-0.0005	-2.5 to 2.5	Pass	
				-30	7.2	-0.143	-0.0002	-2.5 to 2.5	Pass	
					-20	7.2	-0.615	-0.0009	-2.5 to 2.5	Pass
						7.2	-0.200	-0.0003	-2.5 to 2.5	Pass
				0	7.2	-0.515	-0.0007	-2.5 to 2.5	Pass	
					10	7.2	-0.844	-0.0012	-2.5 to 2.5	Pass
				30	7.2	-0.930	-0.0013	-2.5 to 2.5	Pass	
	40	7.2	-1.216		-0.0017	-2.5 to 2.5	Pass			
	50	7.2	-0.672	-0.0009	-2.5 to 2.5	Pass				
	710	50	0	20	6.12	0.358	0.0005	-2.5 to 2.5	Pass	
					7.2	0.930	0.0013	-2.5 to 2.5	Pass	
					8.28	0.257	0.0004	-2.5 to 2.5	Pass	
				-30	7.2	1.645	0.0023	-2.5 to 2.5	Pass	
					-20	7.2	1.960	0.0028	-2.5 to 2.5	Pass
						7.2	0.858	0.0012	-2.5 to 2.5	Pass
				0	7.2	0.787	0.0011	-2.5 to 2.5	Pass	
					10	7.2	1.359	0.0019	-2.5 to 2.5	Pass
				30	7.2	1.574	0.0022	-2.5 to 2.5	Pass	
	40	7.2	0.930		0.0013	-2.5 to 2.5	Pass			
	50	7.2	1.345	0.0019	-2.5 to 2.5	Pass				
	711	50	0	20	6.12	-0.014	0.0000	-2.5 to 2.5	Pass	
					7.2	-0.157	-0.0002	-2.5 to 2.5	Pass	
					8.28	0.229	0.0003	-2.5 to 2.5	Pass	
				-30	7.2	-0.715	-0.0010	-2.5 to 2.5	Pass	
					-20	7.2	-0.930	-0.0013	-2.5 to 2.5	Pass
7.2						-0.343	-0.0005	-2.5 to 2.5	Pass	
0				7.2	-0.529	-0.0007	-2.5 to 2.5	Pass		
				10	7.2	-0.415	-0.0006	-2.5 to 2.5	Pass	
30				7.2	-0.315	-0.0004	-2.5 to 2.5	Pass		
	40	7.2	0.029	0.0000	-2.5 to 2.5	Pass				
50	7.2	0.257	0.0004	-2.5 to 2.5	Pass					

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16QAM	709	50	0	20	6.12	-0.286	-0.0004	-2.5 to 2.5	Pass									
					7.2	-0.486	-0.0007	-2.5 to 2.5	Pass									
					8.28	-0.086	-0.0001	-2.5 to 2.5	Pass									
				710	50	0	-30	7.2	-0.072	-0.0001	-2.5 to 2.5	Pass						
								-20	7.2	-0.286	-0.0004	-2.5 to 2.5	Pass					
									-10	7.2	-0.701	-0.0010	-2.5 to 2.5	Pass				
							0		7.2	-1.516	-0.0021	-2.5 to 2.5	Pass					
							711	50	0	10	7.2	0.043	0.0001	-2.5 to 2.5	Pass			
											30	7.2	-0.114	-0.0002	-2.5 to 2.5	Pass		
	40	7.2	-0.057								-0.0001	-2.5 to 2.5	Pass					
	710	50	0							50	7.2	-0.758	-0.0011	-2.5 to 2.5	Pass			
											20	6.12	1.001	0.0014	-2.5 to 2.5	Pass		
				7.2	0.343	0.0005						-2.5 to 2.5	Pass					
				8.28	-0.172	-0.0002				-2.5 to 2.5		Pass						
				711	50	0				-30	7.2	-0.386	-0.0005	-2.5 to 2.5	Pass			
											-20	7.2	1.345	0.0019	-2.5 to 2.5	Pass		
							-10	7.2	0.715			0.0010	-2.5 to 2.5	Pass				
							710	50	0	0		7.2	0.644	0.0009	-2.5 to 2.5	Pass		
											10	7.2	0.587	0.0008	-2.5 to 2.5	Pass		
	30	7.2	0.744								0.0010	-2.5 to 2.5	Pass					
	711	50	0							40	7.2	0.758	0.0011	-2.5 to 2.5	Pass			
											50	7.2	0.429	0.0006	-2.5 to 2.5	Pass		
												20	6.12	-0.257	-0.0004	-2.5 to 2.5	Pass	
				710	50	0				7.2			-0.429	-0.0006	-2.5 to 2.5	Pass		
											-30		7.2	-0.329	-0.0005	-2.5 to 2.5	Pass	
												-20	7.2	-0.730	-0.0010	-2.5 to 2.5	Pass	
							711	50	0	-10			7.2	-0.429	-0.0006	-2.5 to 2.5	Pass	
0											7.2		-1.502	-0.0021	-2.5 to 2.5	Pass		
											10	7.2	-1.230	-0.0017	-2.5 to 2.5	Pass		
	710	50	0							30	7.2	0.086	0.0001	-2.5 to 2.5	Pass			
40											7.2	0.072	0.0001	-2.5 to 2.5	Pass			
											50	7.2	-0.944	-0.0013	-2.5 to 2.5	Pass		
				711	50	0				20		6.12	1.178	0.0017	-2.5 to 2.5	Pass		
710												50	0	7.2	-4.979	-0.0070	-2.5 to 2.5	Pass
											8.28				-1.301	-0.0018	-2.5 to 2.5	Pass
							-30	7.2	0.979	0.0014					-2.5 to 2.5	Pass		
								711	50	0				-20	7.2	0.773	0.0011	-2.5 to 2.5
											-10				7.2	-1.304	-0.0018	-2.5 to 2.5
	0	7.2	-2.855				-0.0040								-2.5 to 2.5	Pass		
		710	50				0							10	7.2	7.220	0.0102	-2.5 to 2.5
											30				7.2	-1.207	-0.0017	-2.5 to 2.5
	40			7.2	2.890	0.0041									-2.5 to 2.5	Pass		
711				50	0	50						7.2	-5.996	-0.0085	-2.5 to 2.5	Pass		
											20	6.12	1.565	0.0022	-2.5 to 2.5	Pass		
	7.2											2.626	0.0037	-2.5 to 2.5	Pass			
						710		50	0	8.28		2.497	0.0035	-2.5 to 2.5	Pass			
											-30	7.2	-4.053	-0.0057	-2.5 to 2.5	Pass		
	-20											7.2	-0.172	-0.0002	-2.5 to 2.5	Pass		
		711	50				0			-10		7.2	8.115	0.0114	-2.5 to 2.5	Pass		
											0	7.2	1.887	0.0027	-2.5 to 2.5	Pass		

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	711	50	0	10	7.2	-4.448	-0.0063	-2.5 to 2.5	Pass
				30	7.2	1.898	0.0027	-2.5 to 2.5	Pass
				40	7.2	1.912	0.0027	-2.5 to 2.5	Pass
				50	7.2	1.301	0.0018	-2.5 to 2.5	Pass
				20	6.12	1.664	0.0023	-2.5 to 2.5	Pass
					7.2	-4.528	-0.0064	-2.5 to 2.5	Pass
					8.28	5.342	0.0075	-2.5 to 2.5	Pass
				-30	7.2	-1.106	-0.0016	-2.5 to 2.5	Pass
				-20	7.2	1.106	0.0016	-2.5 to 2.5	Pass
				-10	7.2	-7.336	-0.0103	-2.5 to 2.5	Pass
				0	7.2	2.842	0.0040	-2.5 to 2.5	Pass
				10	7.2	-0.415	-0.0006	-2.5 to 2.5	Pass
				30	7.2	1.969	0.0028	-2.5 to 2.5	Pass
				40	7.2	-6.498	-0.0091	-2.5 to 2.5	Pass
				50	7.2	3.498	0.0049	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 B17_5MHz

3.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass
64QAM	710	25	0	Refer To Test Graph		Pass

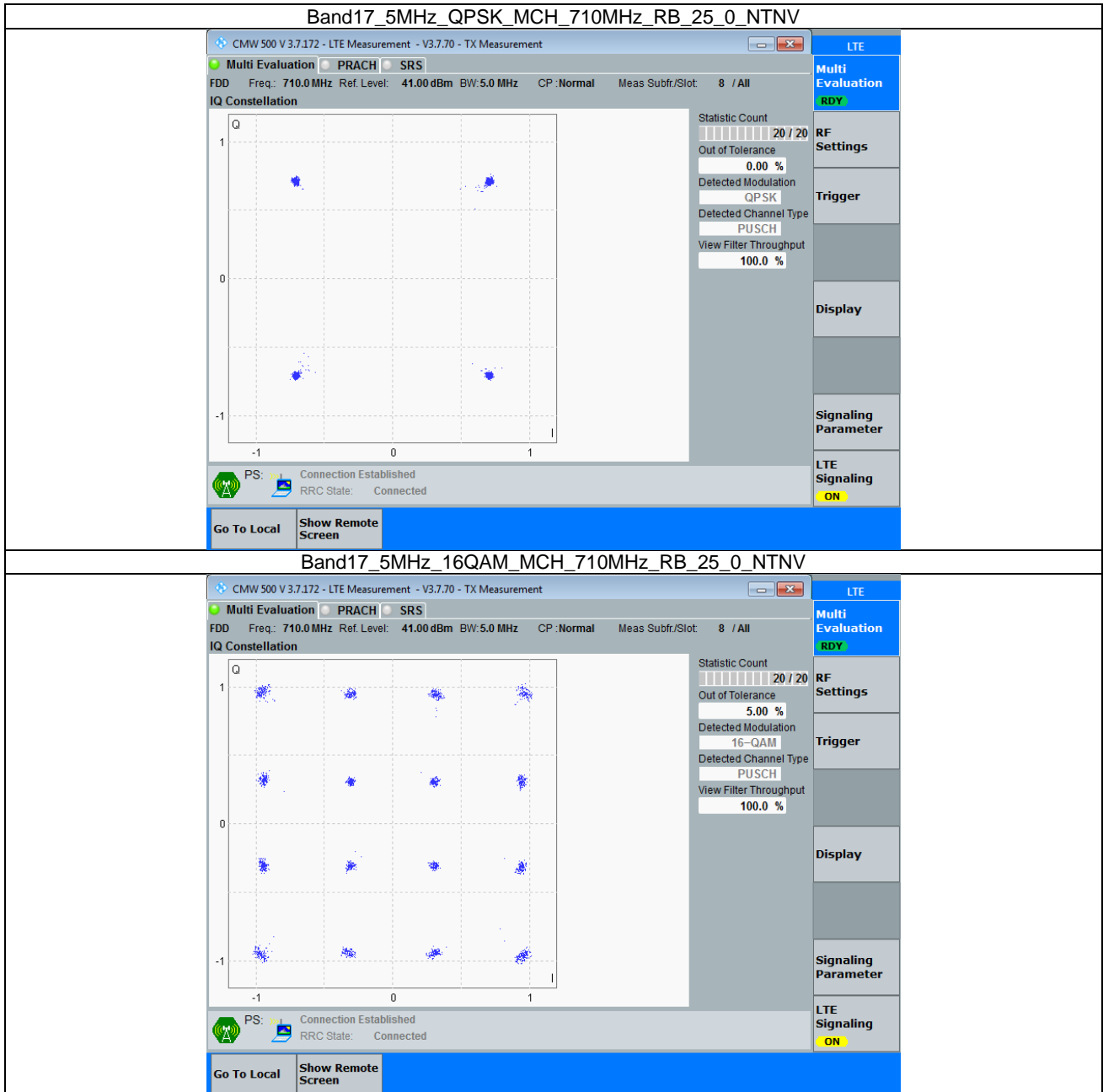


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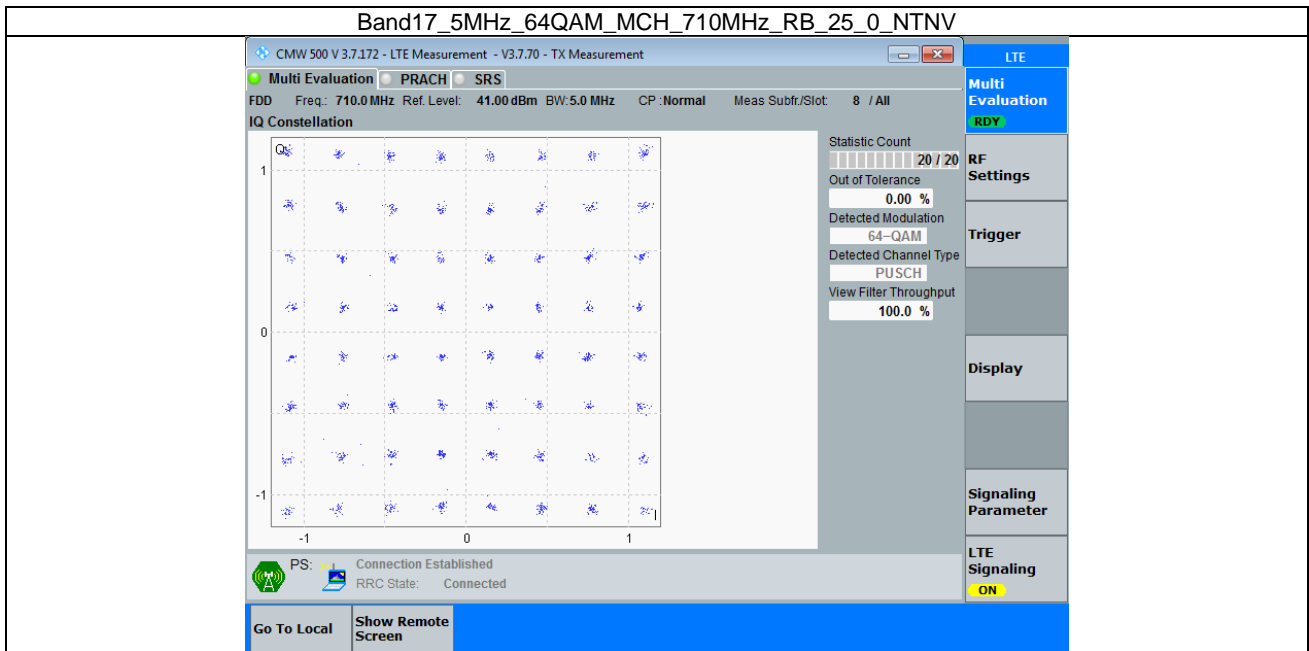
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3.1.2 Test Graph



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3.2 B17_10MHz

3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass
64QAM	710	50	0	Refer To Test Graph		Pass



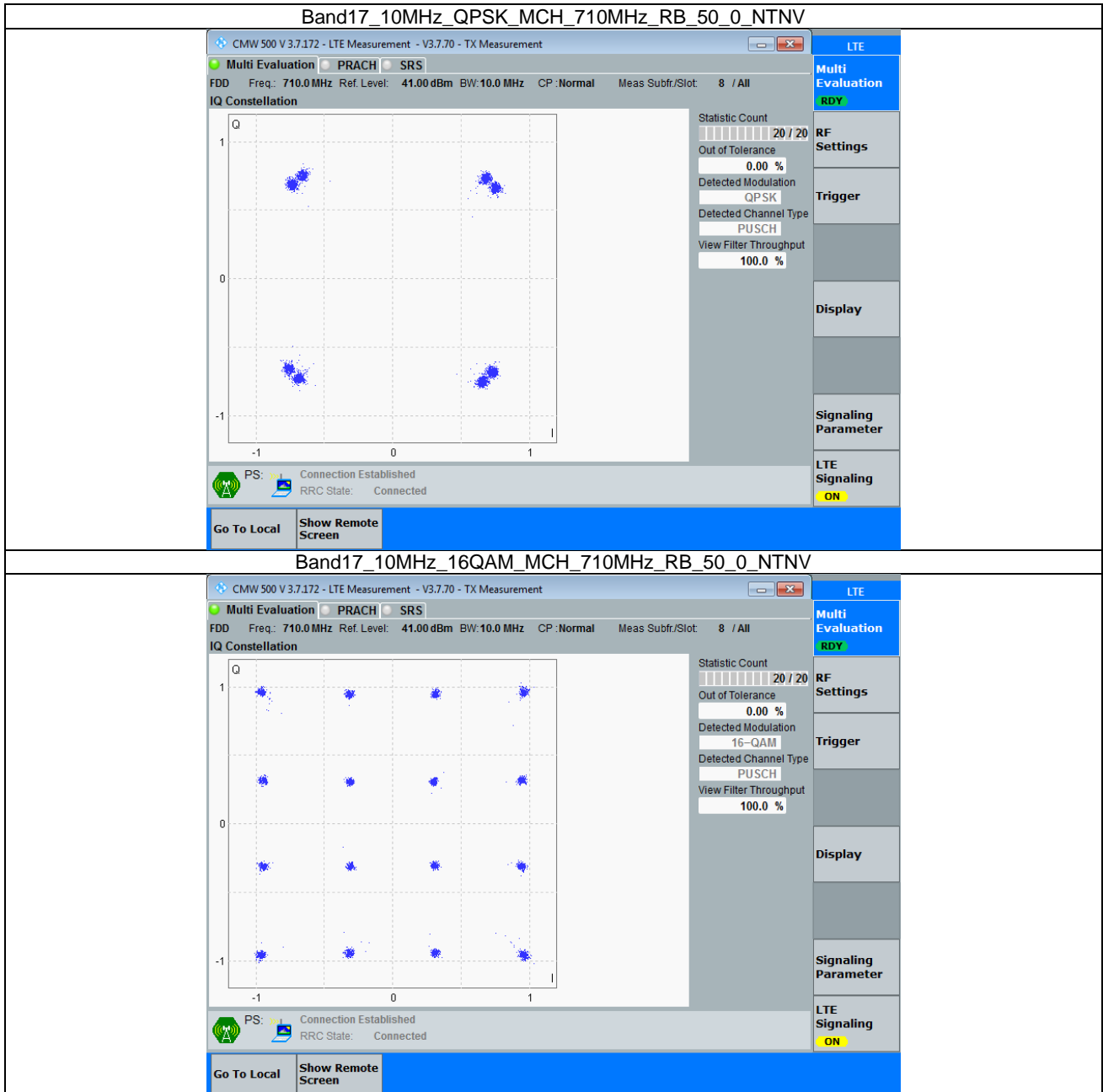
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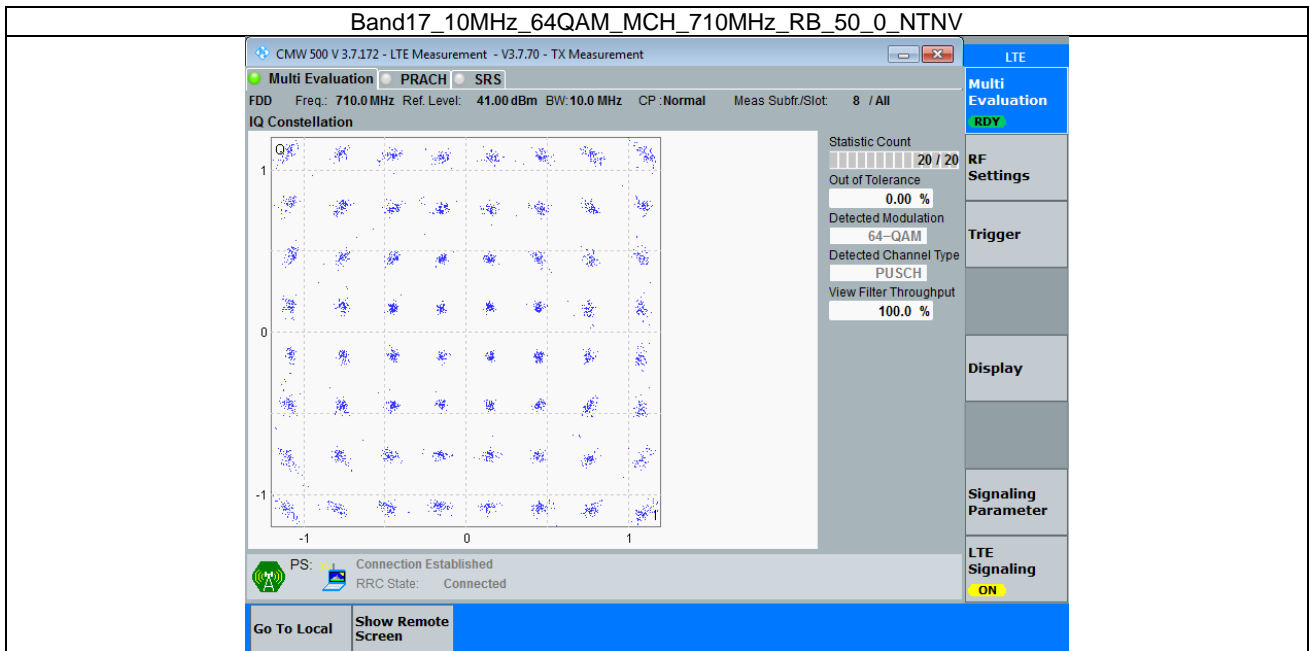
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3.2.2 Test Graph



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4. 99% & 26dB Bandwidth

4.1 Band17_OBW

4.1.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset		
5	QPSK	706.5	25	0	4.546	Pass
		710	25	0	4.531	Pass
		713.5	25	0	4.533	Pass
	16QAM	706.5	25	0	4.531	Pass
		710	25	0	4.537	Pass
		713.5	25	0	4.547	Pass
	64QAM	706.5	25	0	4.542	Pass
		710	25	0	4.554	Pass
		713.5	25	0	4.549	Pass
10	QPSK	709	50	0	9.034	Pass
		710	50	0	9.010	Pass
		711	50	0	9.030	Pass
	16QAM	709	50	0	9.051	Pass
		710	50	0	9.009	Pass
		711	50	0	9.027	Pass
	64QAM	709	50	0	9.034	Pass
		710	50	0	9.032	Pass
		711	50	0	9.041	Pass

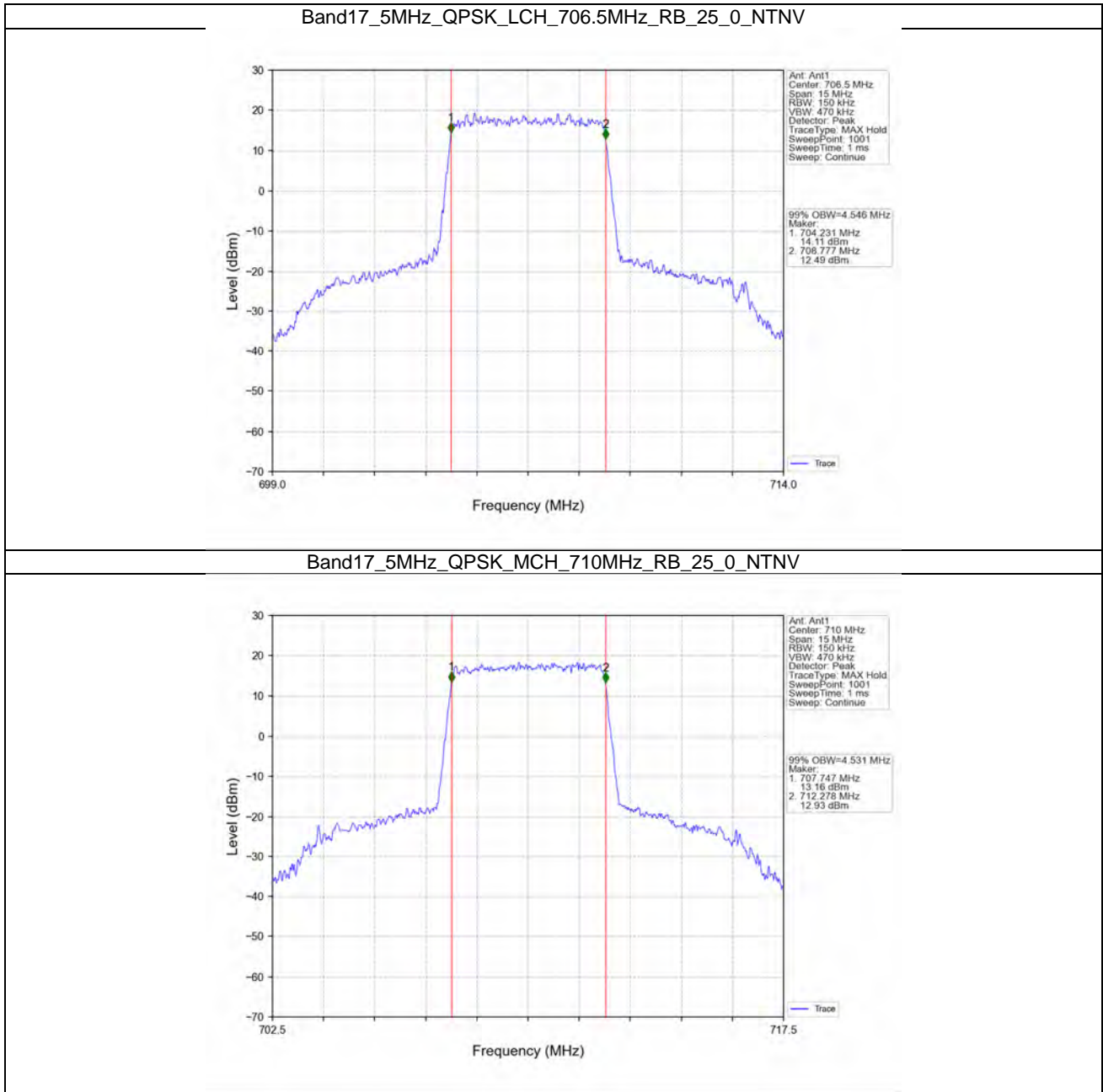


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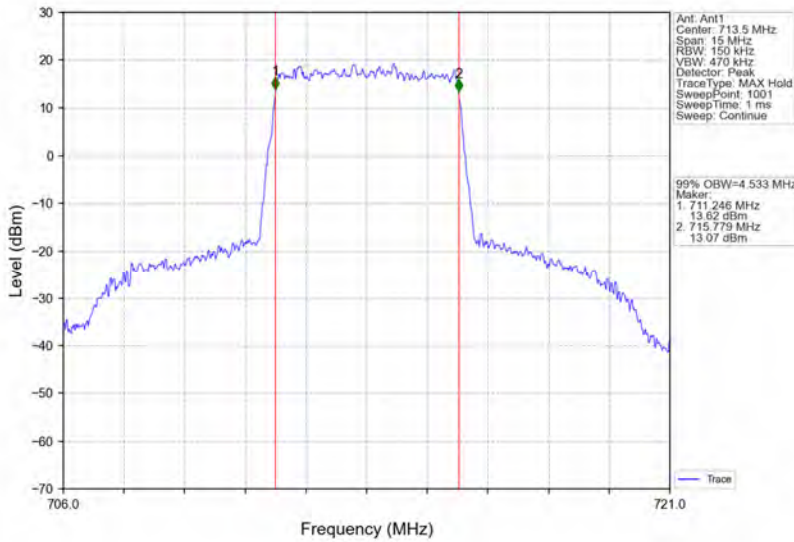
4.1.2 Test Graph



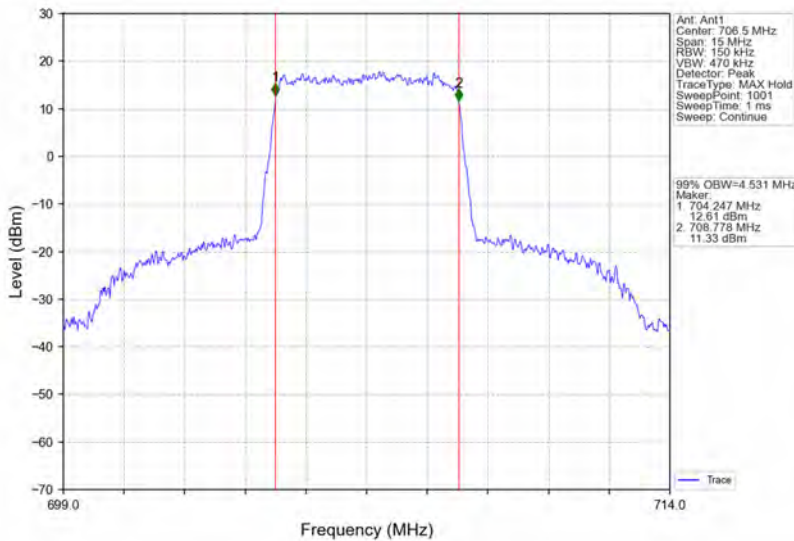
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Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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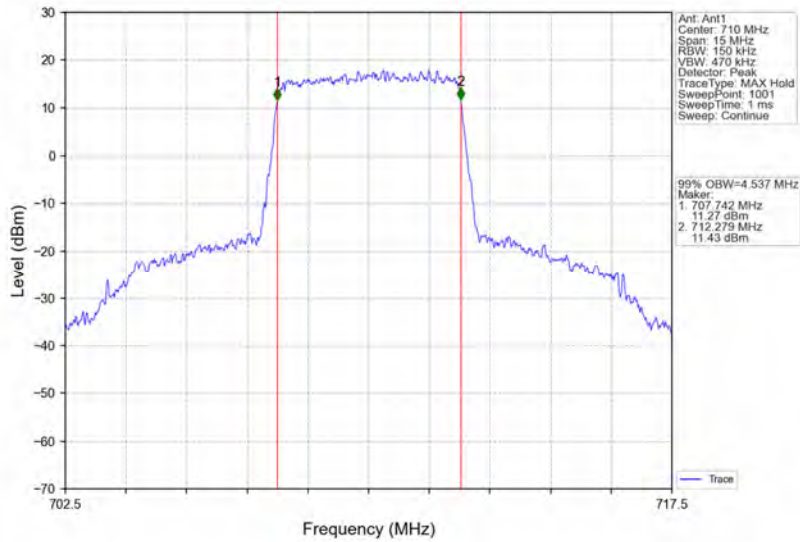
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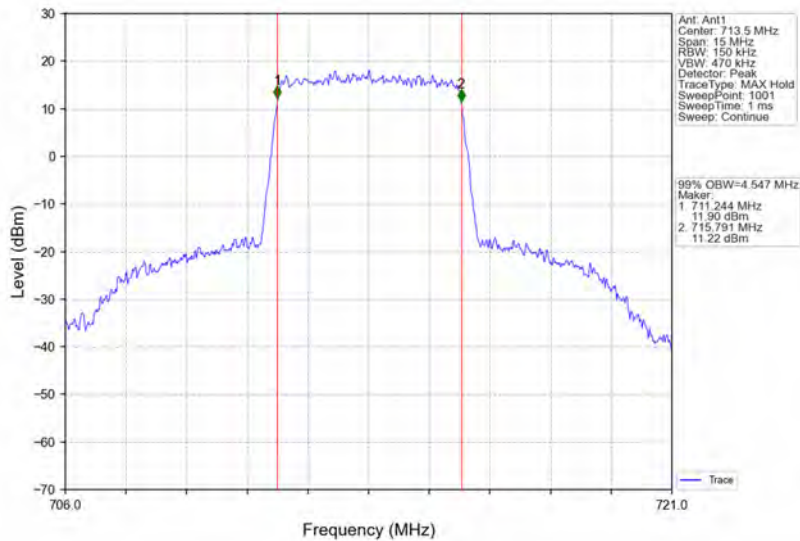


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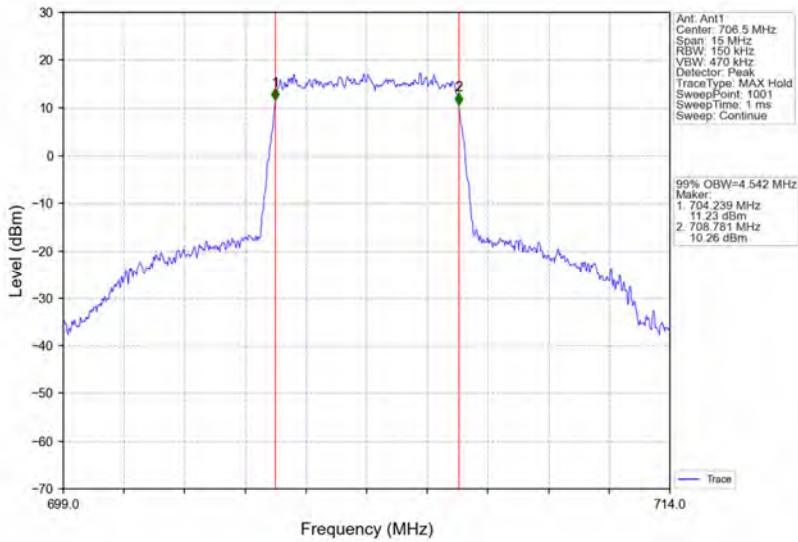
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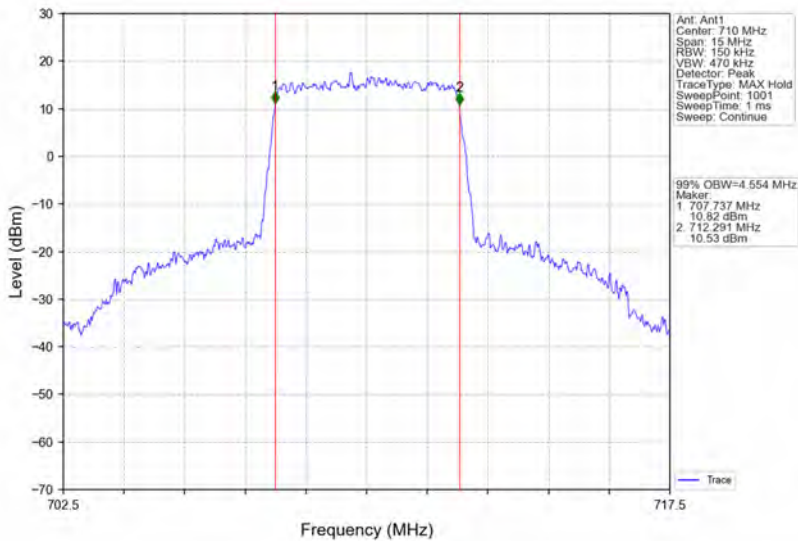
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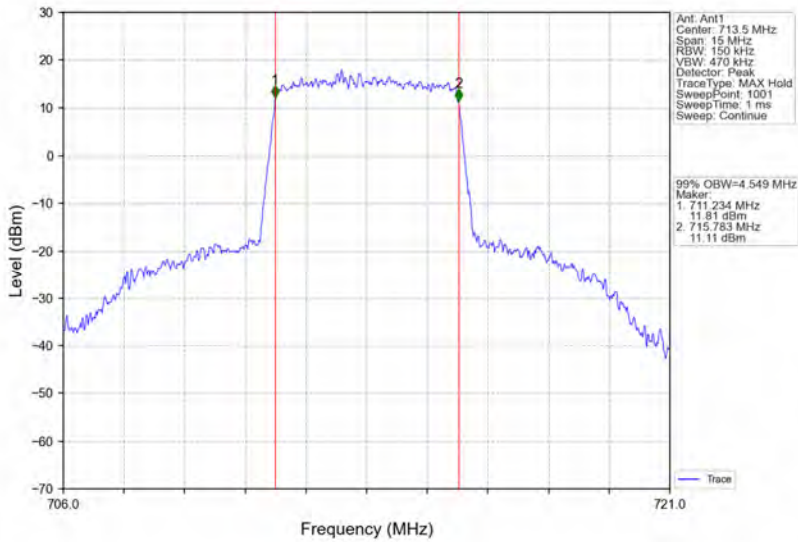
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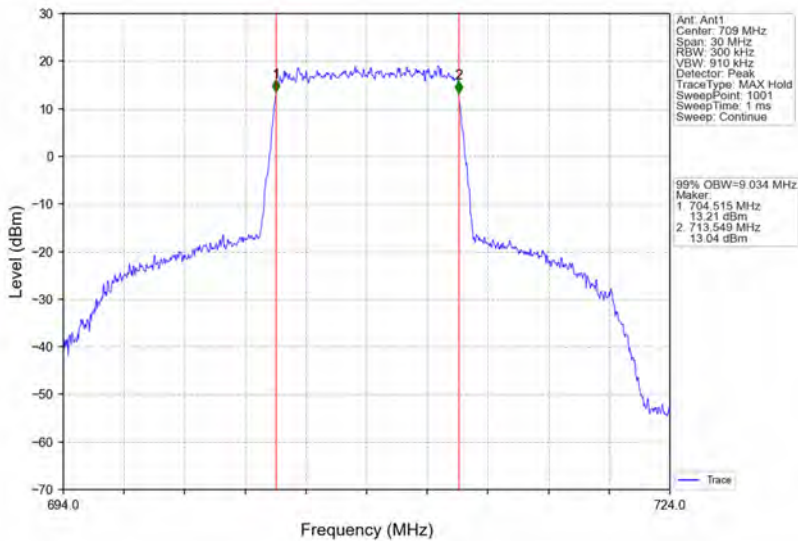
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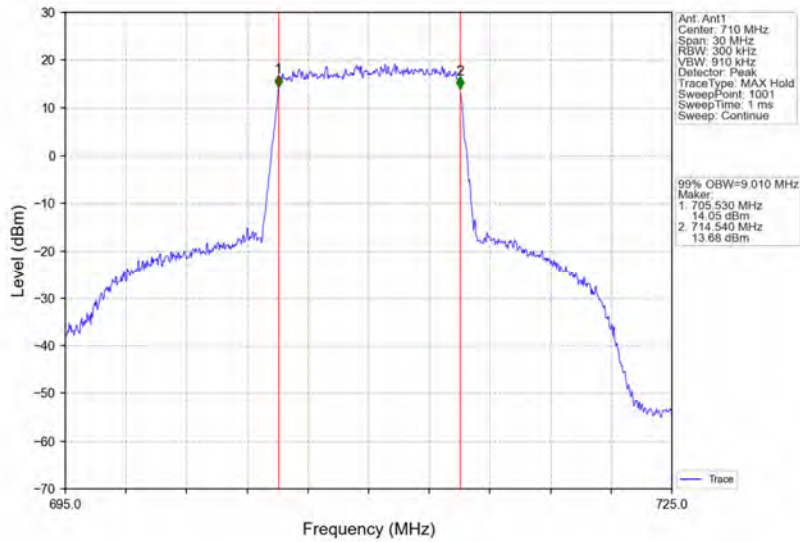
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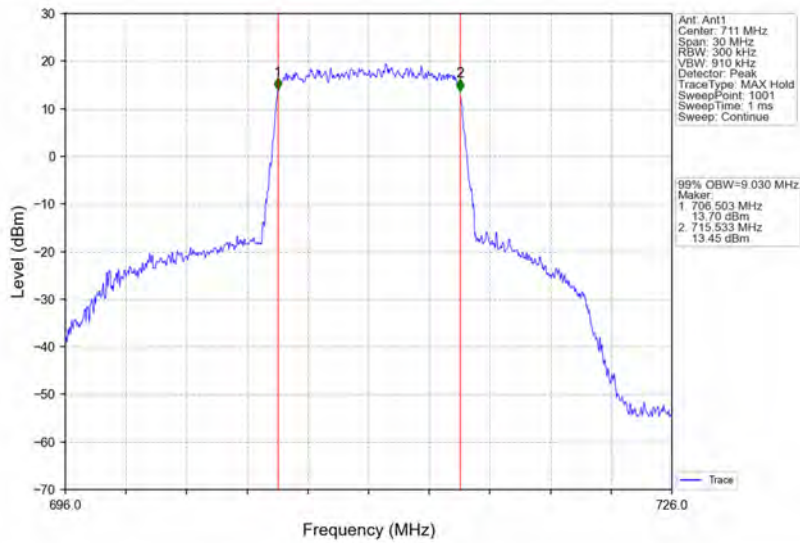


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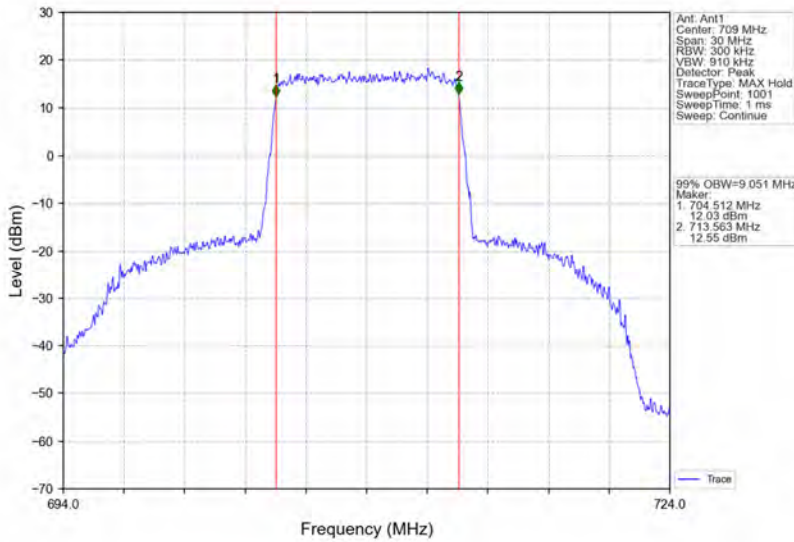
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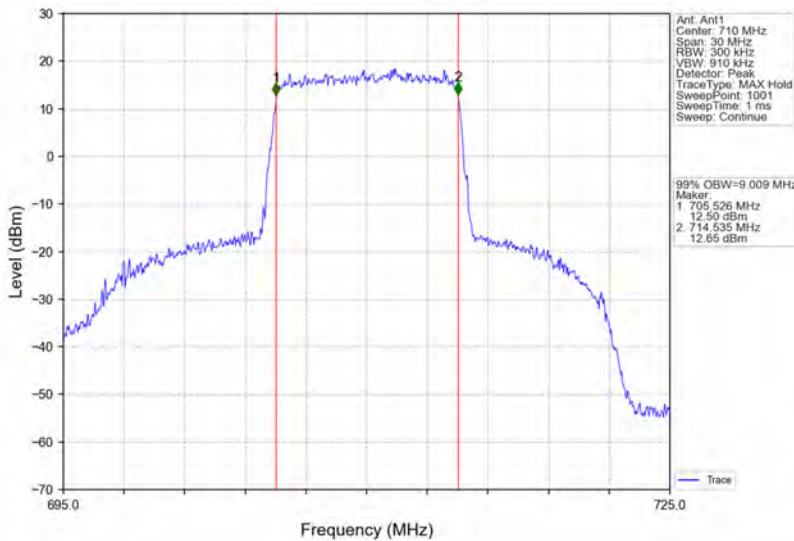


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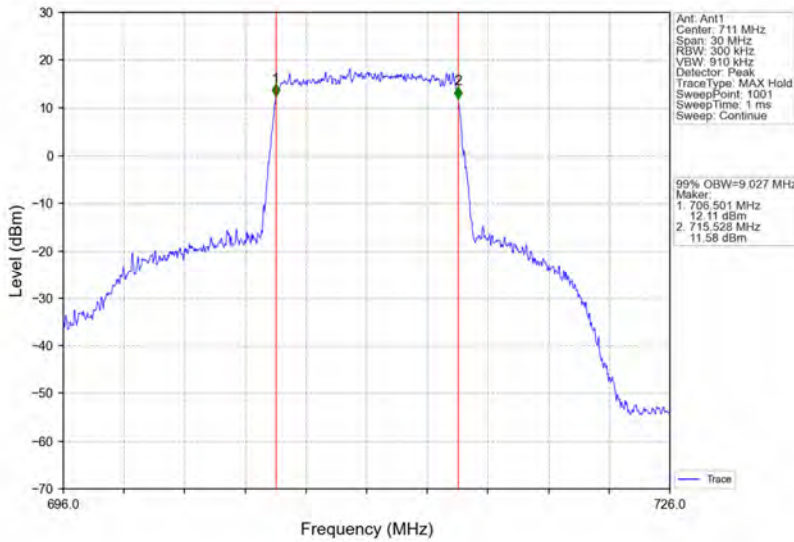
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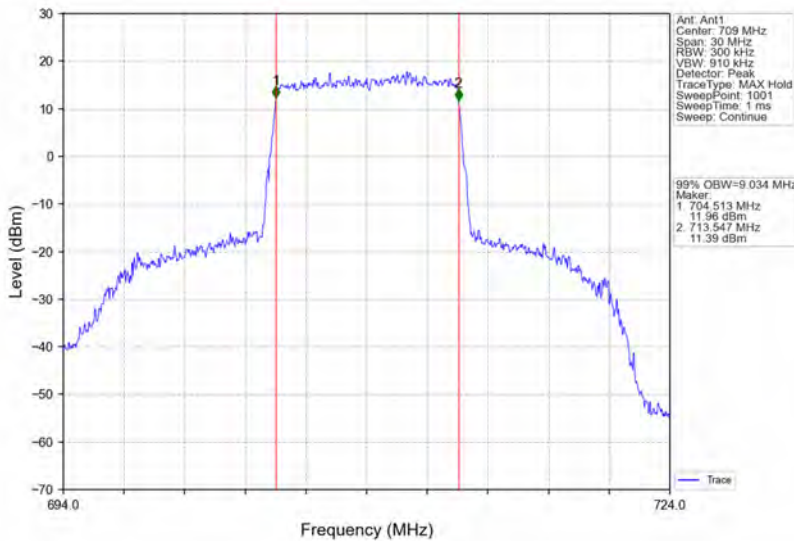
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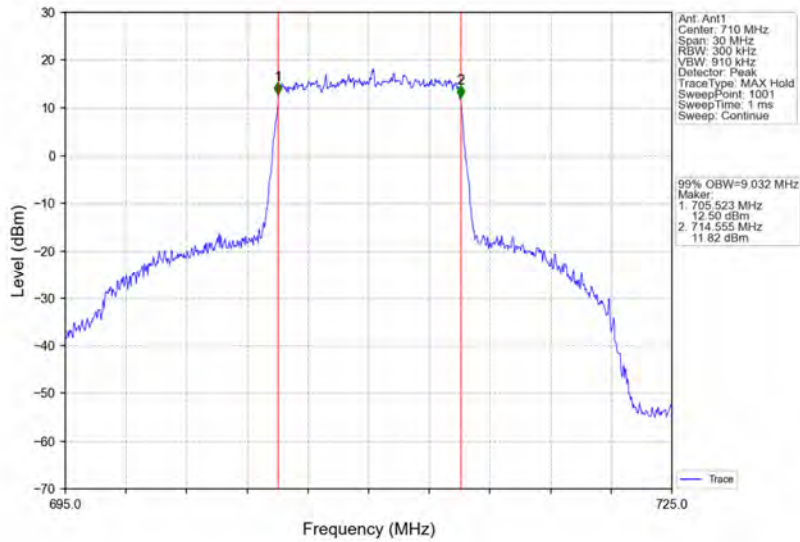
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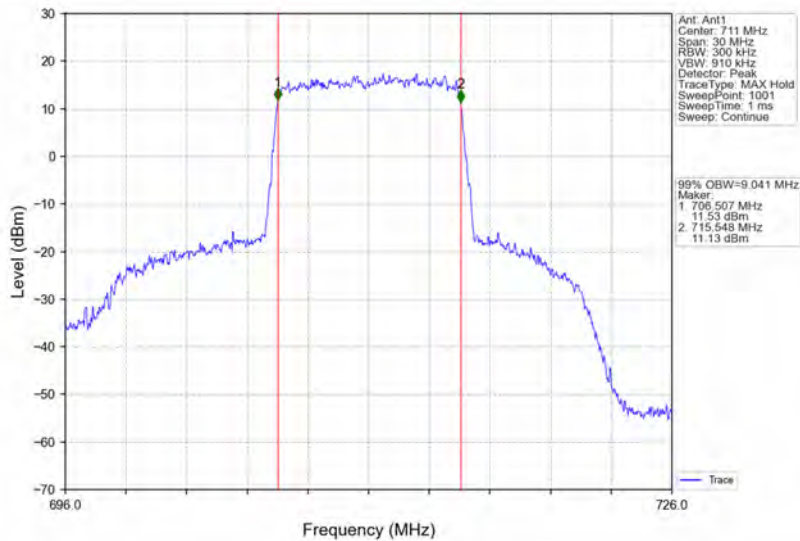
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4.2 Band17_XDB

4.2.1 Test Result

Band: 17 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	5.087	Pass
		710	25	0	5.051	Pass
		713.5	25	0	5.062	Pass
	16QAM	706.5	25	0	5.087	Pass
		710	25	0	5.087	Pass
		713.5	25	0	5.083	Pass
	64QAM	706.5	25	0	5.085	Pass
		710	25	0	5.093	Pass
		713.5	25	0	5.063	Pass
10	QPSK	709	50	0	10.132	Pass
		710	50	0	10.015	Pass
		711	50	0	9.970	Pass
	16QAM	709	50	0	10.068	Pass
		710	50	0	9.993	Pass
		711	50	0	10.024	Pass
	64QAM	709	50	0	9.964	Pass
		710	50	0	9.946	Pass
		711	50	0	10.007	Pass



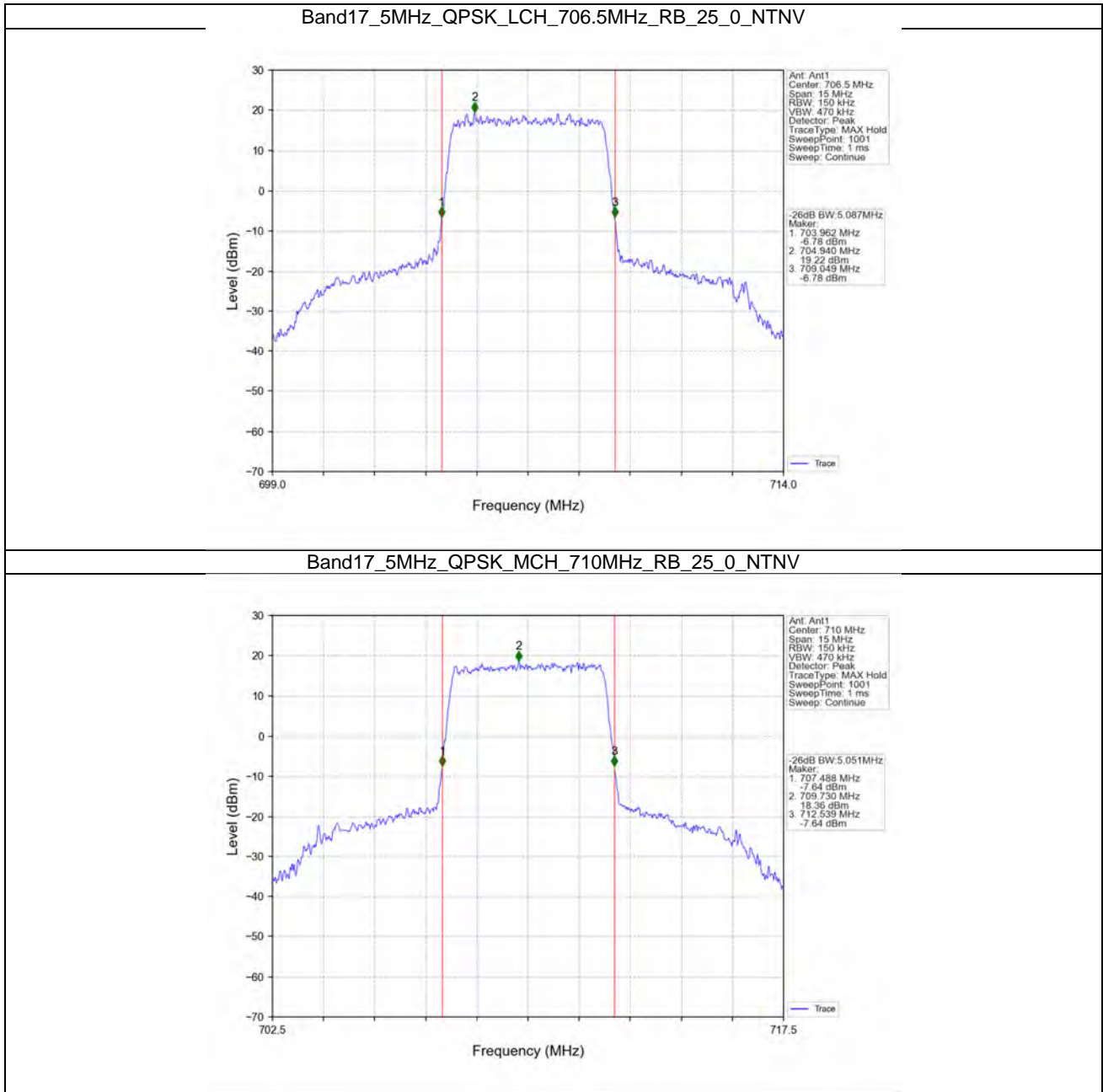
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4.2.2 Test Graph



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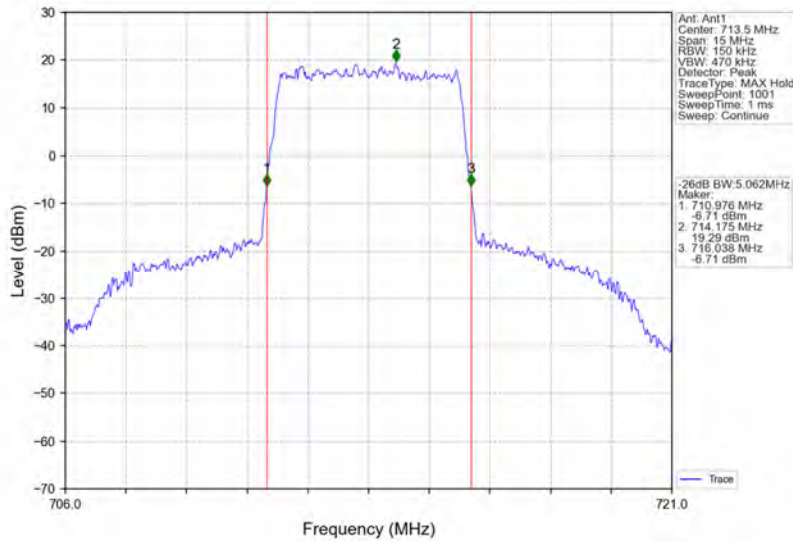
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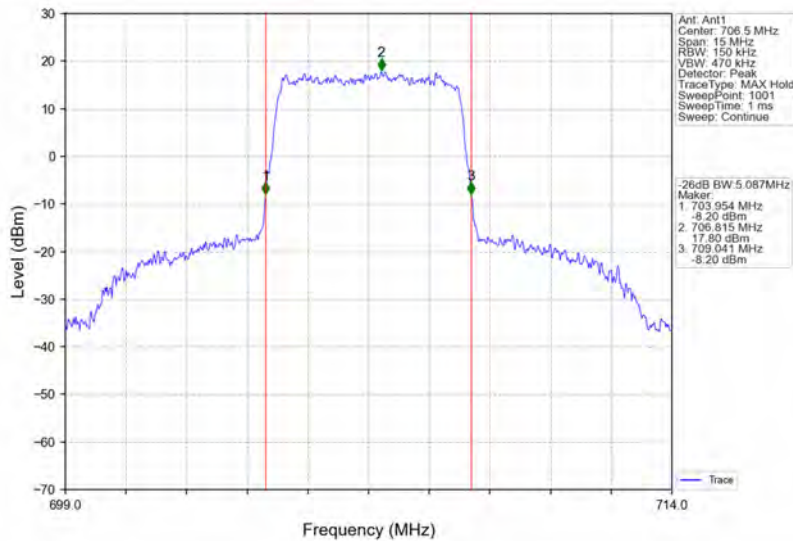
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Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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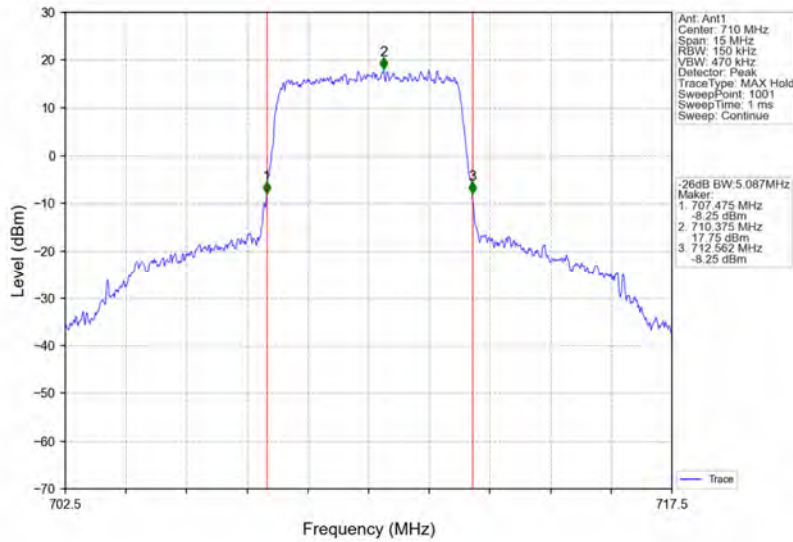
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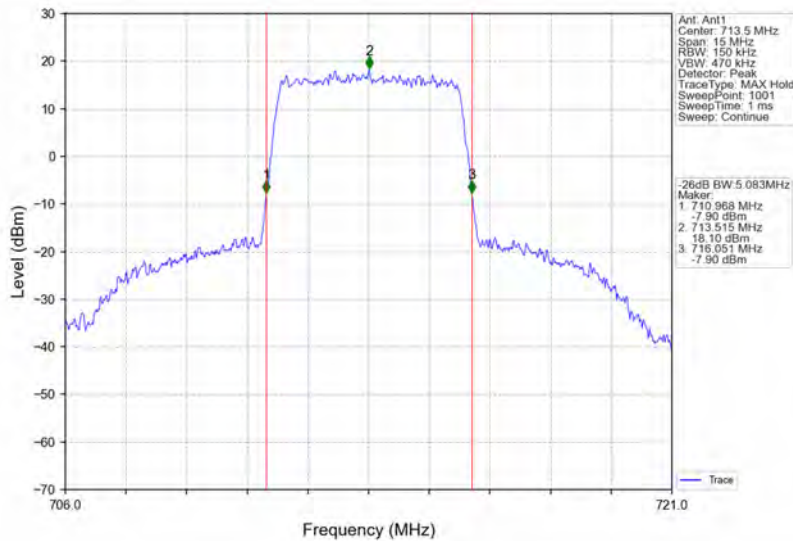


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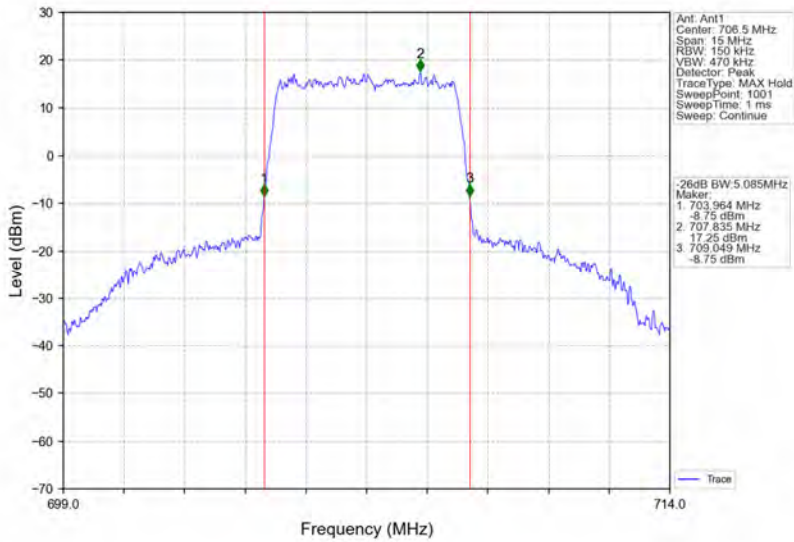
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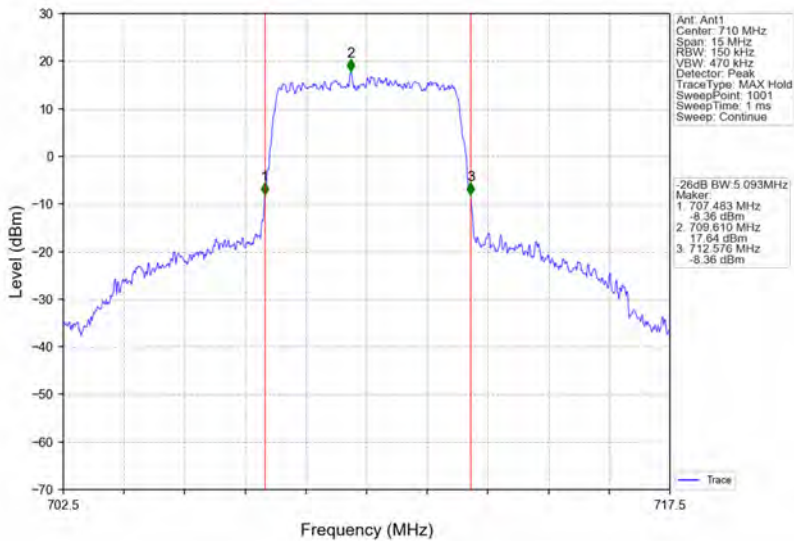
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Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



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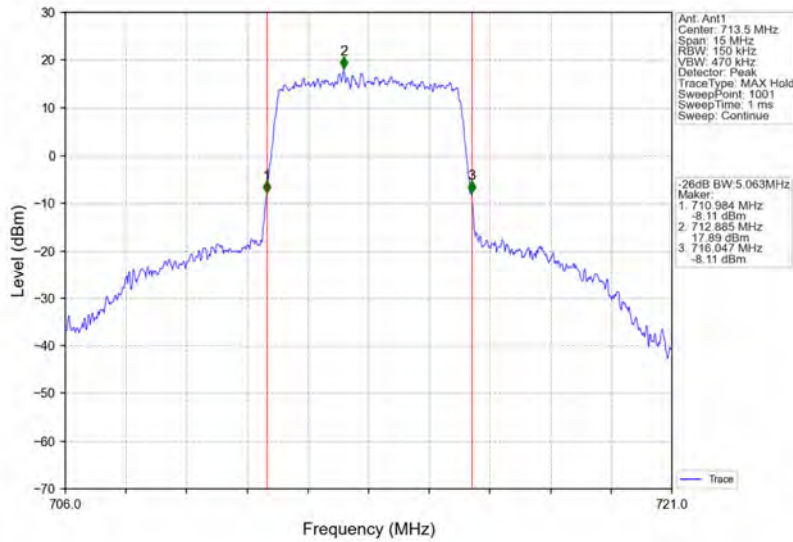
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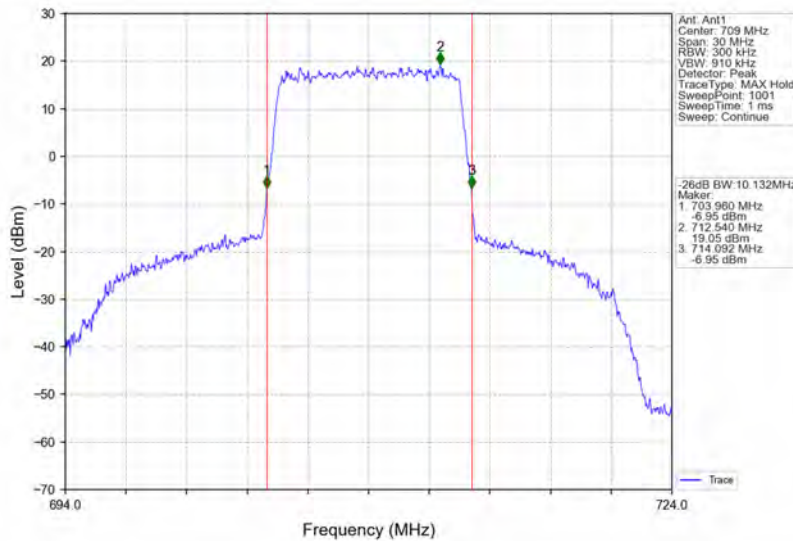
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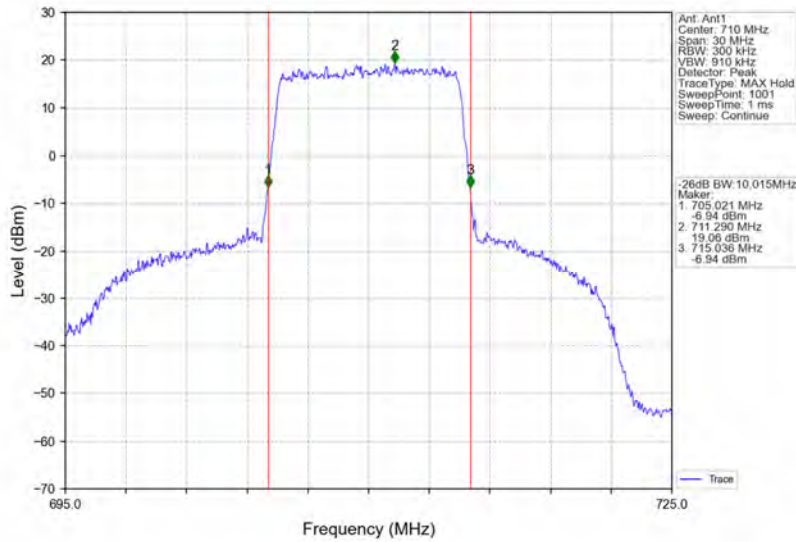
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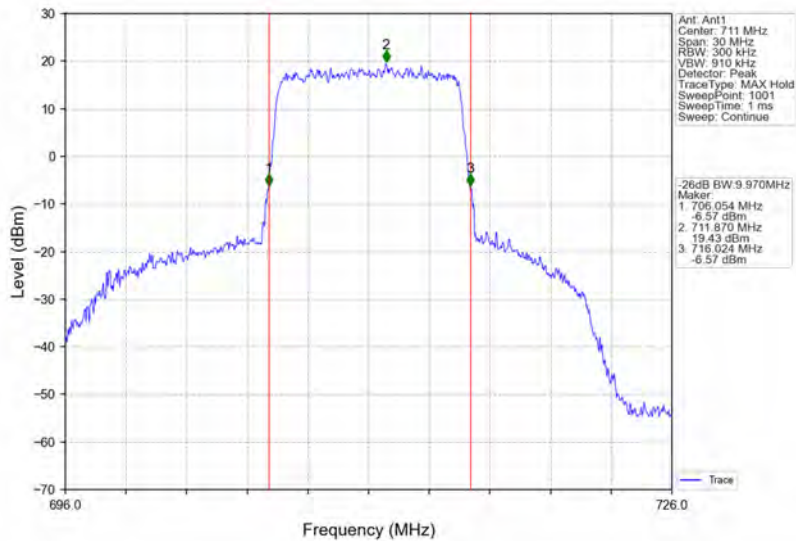
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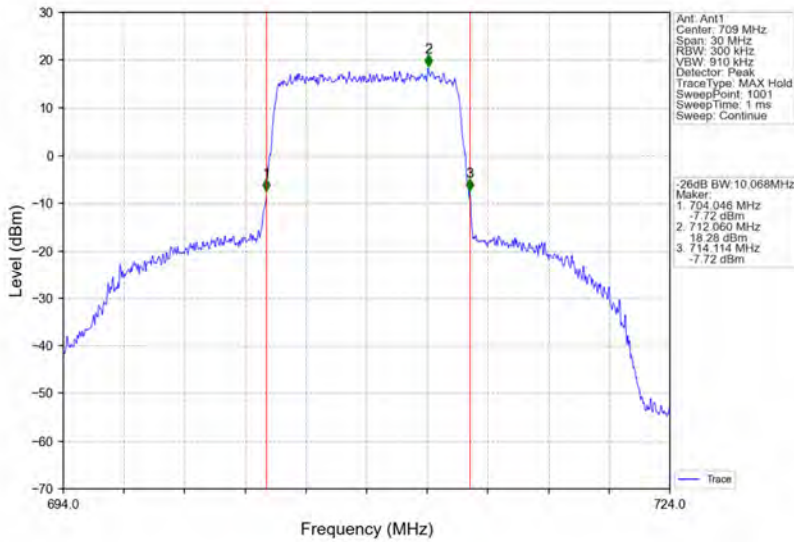
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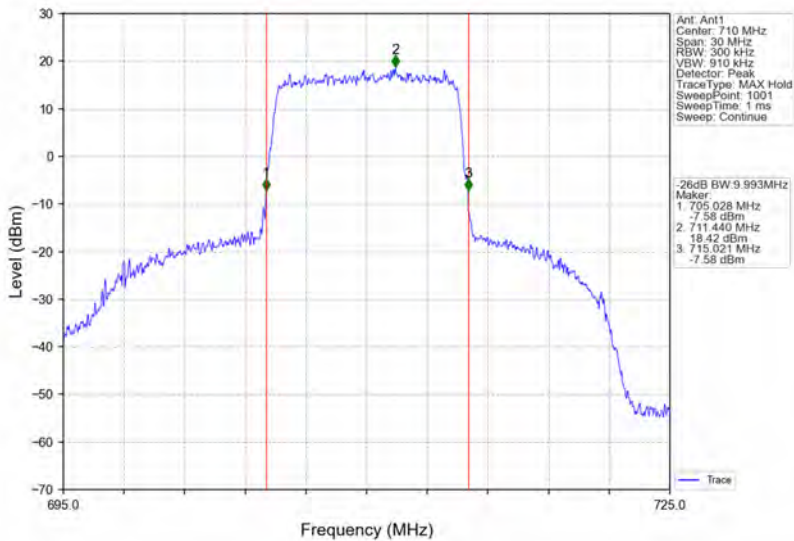
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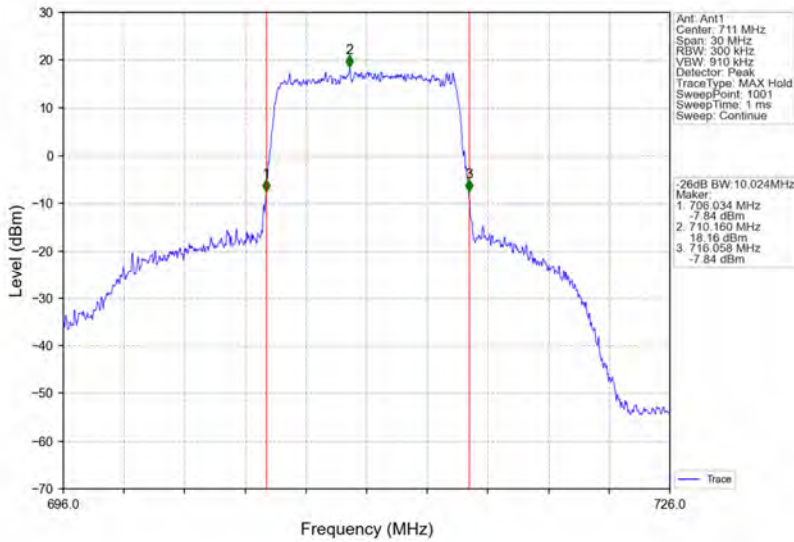
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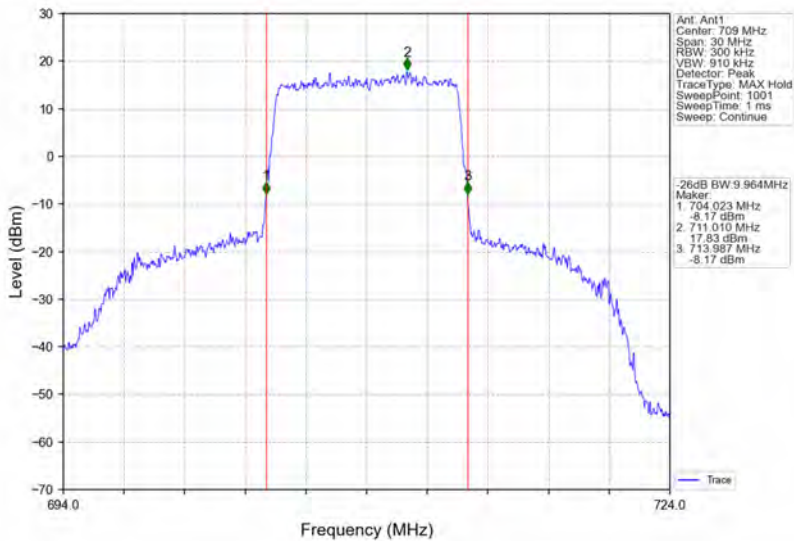
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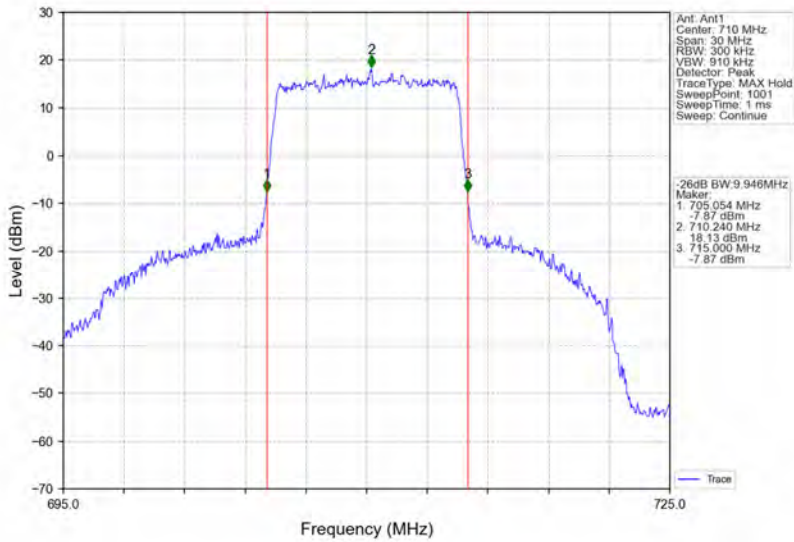
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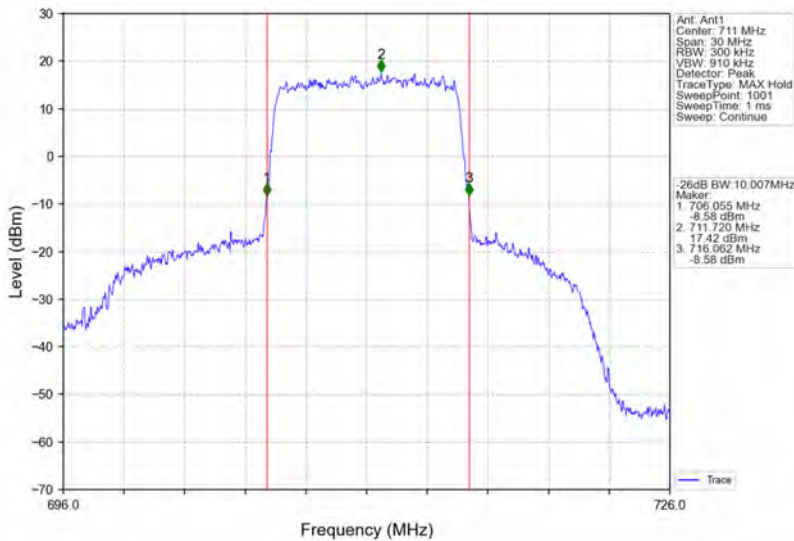
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EMC Laboratory

5. Peak-Average Ratio

5.1 B17_5MHz

5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.48	<=13	Pass
	710	25	0	5.43	<=13	Pass
	713.5	25	0	5.37	<=13	Pass
16QAM	706.5	25	0	6.35	<=13	Pass
	710	25	0	6.35	<=13	Pass
	713.5	25	0	6.26	<=13	Pass
64QAM	706.5	25	0	6.90	<=13	Pass
	710	25	0	6.87	<=13	Pass
	713.5	25	0	6.84	<=13	Pass



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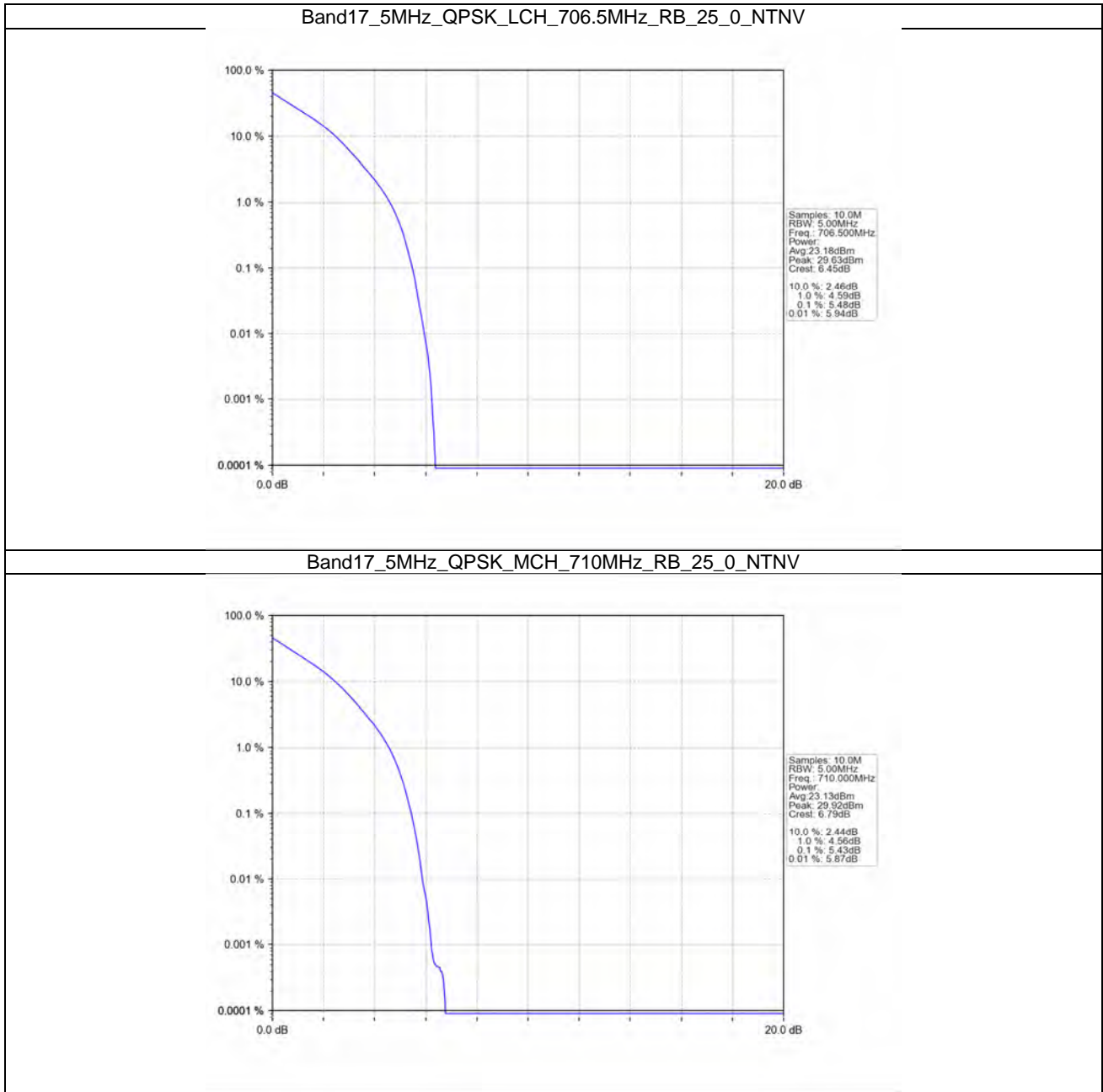
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5.1.2 Test Graph

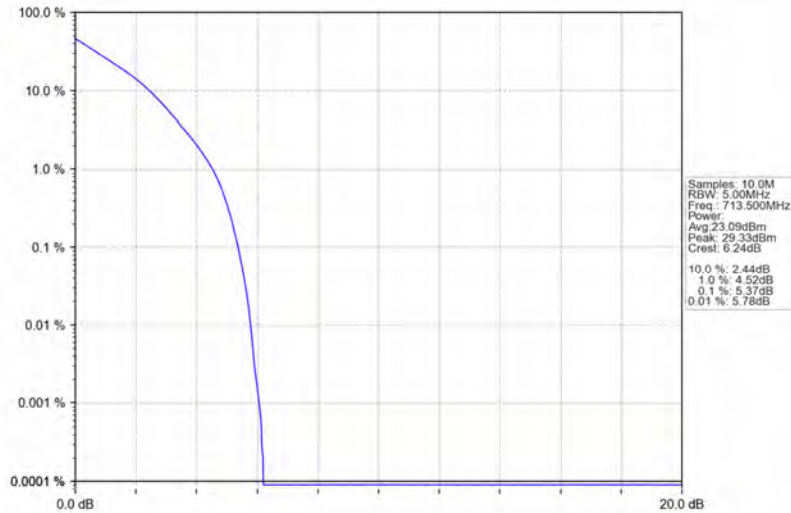


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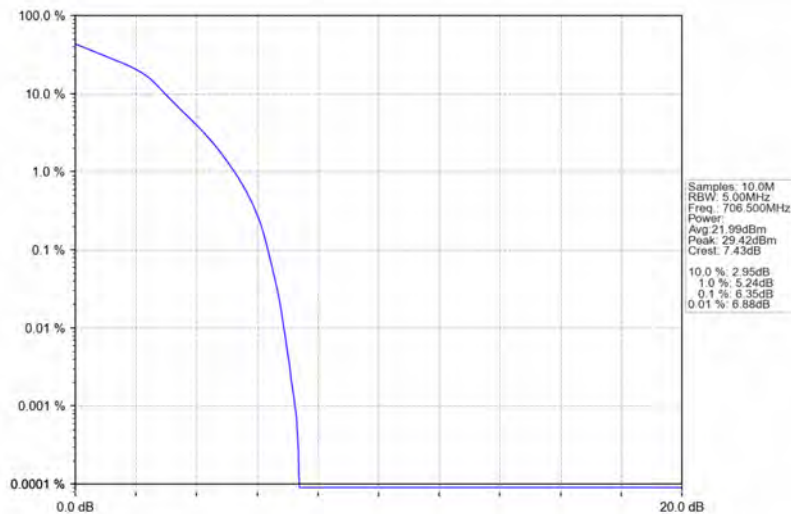
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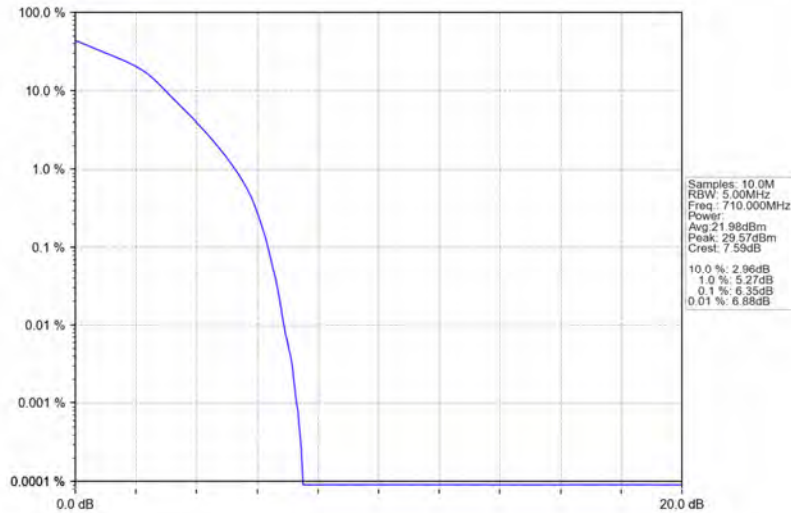
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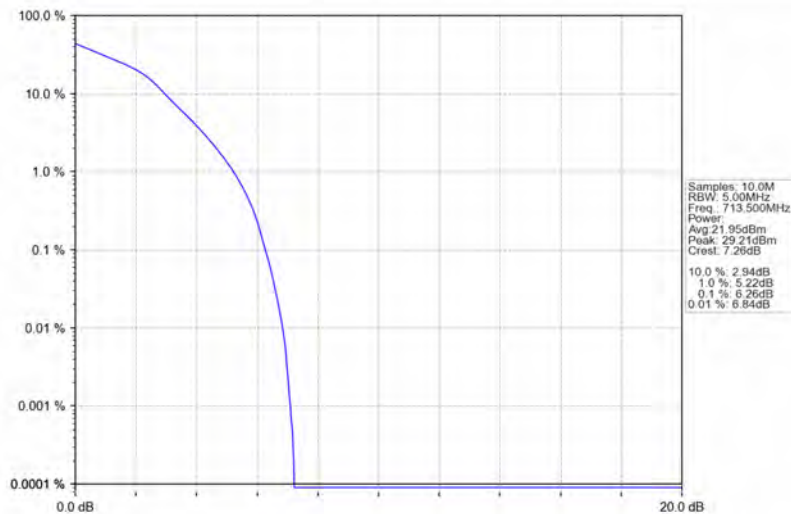
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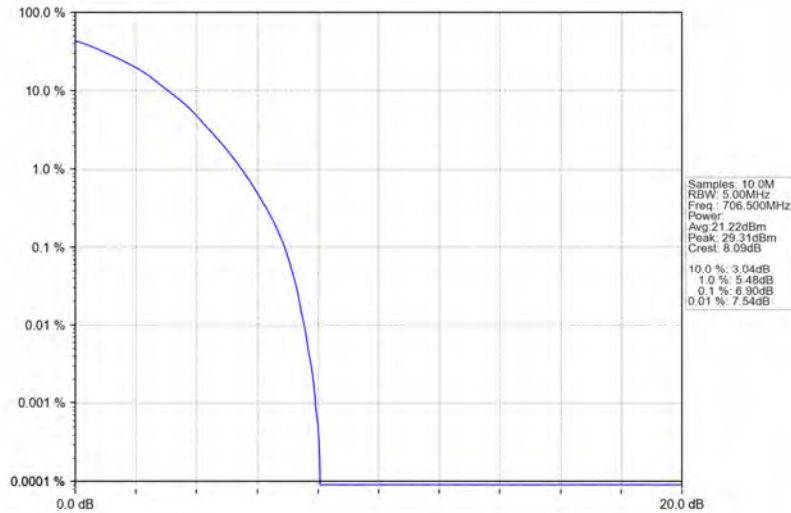
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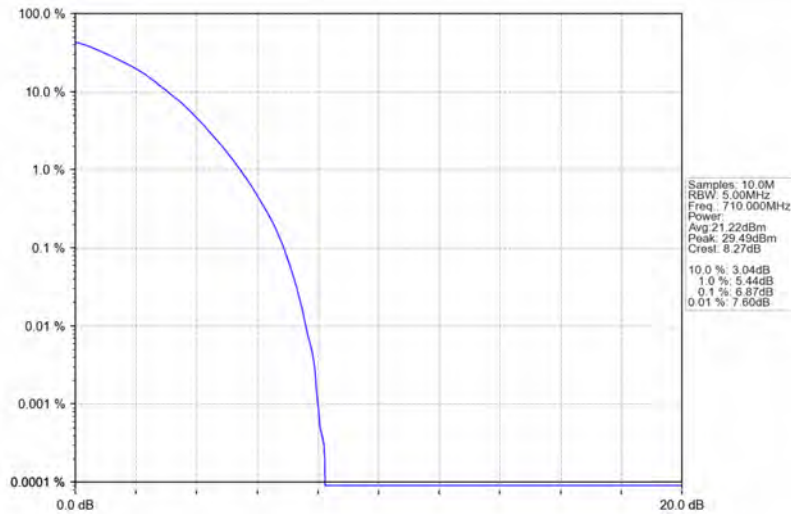
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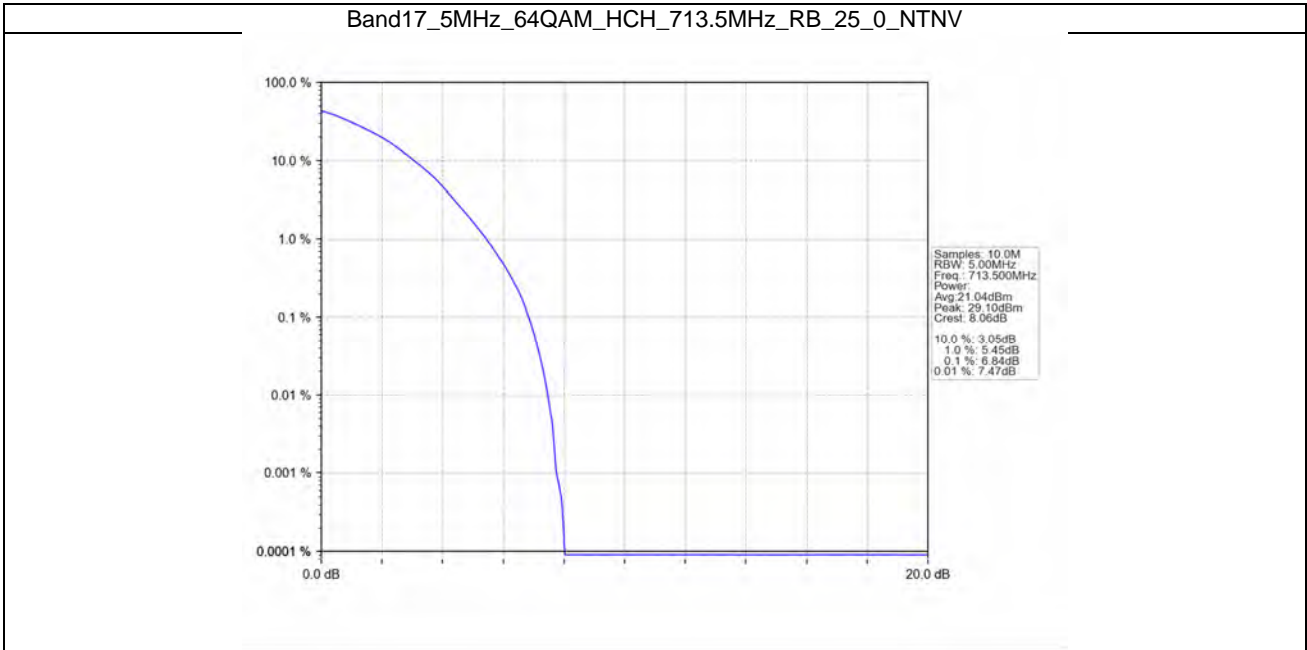
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5.2 B17_10MHz

5.2.1 Test Result

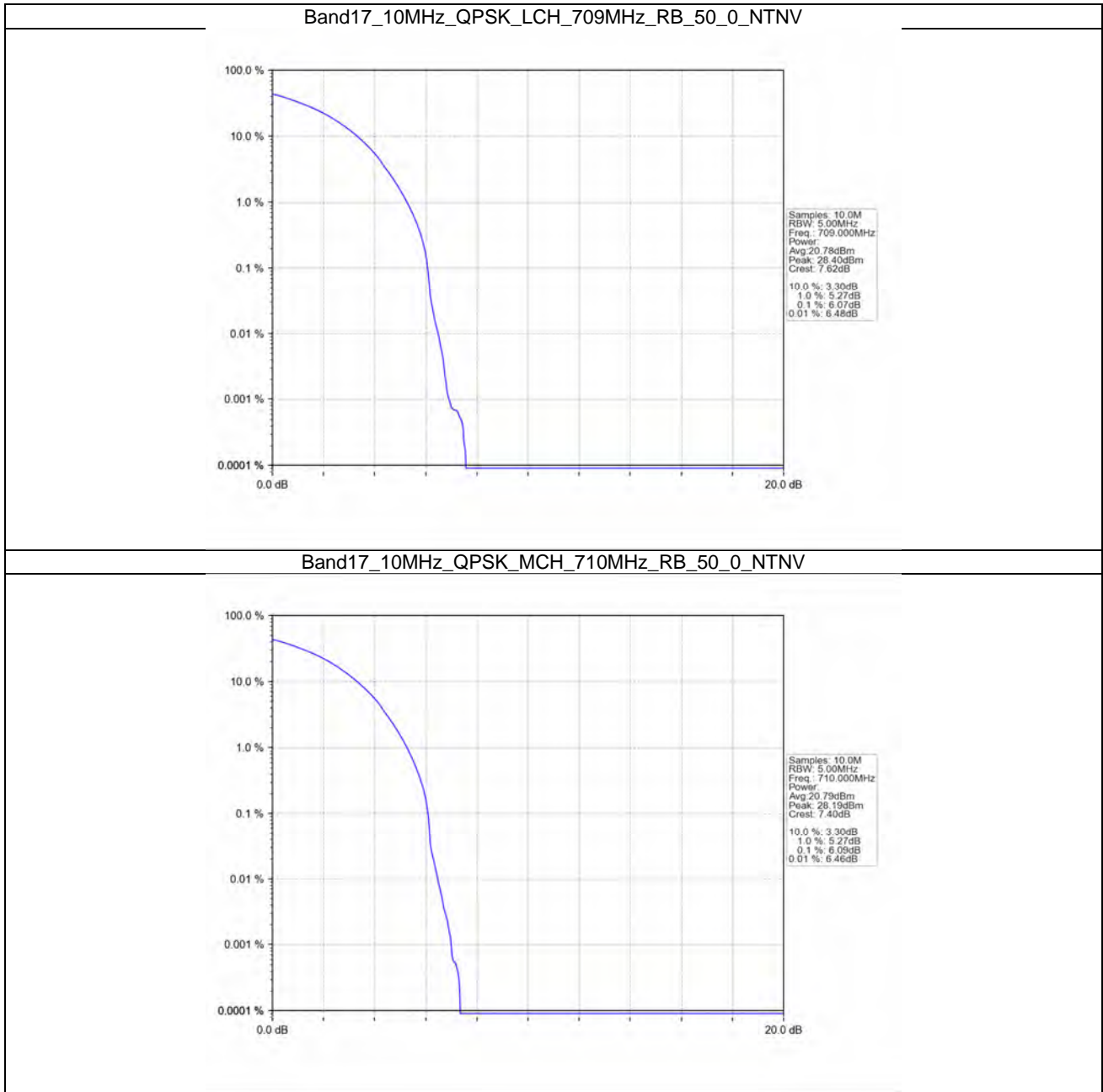
Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	6.07	<=13	Pass
	710	50	0	6.09	<=13	Pass
	711	50	0	6.11	<=13	Pass
16QAM	709	50	0	6.98	<=13	Pass
	710	50	0	6.87	<=13	Pass
	711	50	0	6.95	<=13	Pass
64QAM	709	50	0	7.24	<=13	Pass
	710	50	0	7.19	<=13	Pass
	711	50	0	7.10	<=13	Pass



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5.2.2 Test Graph

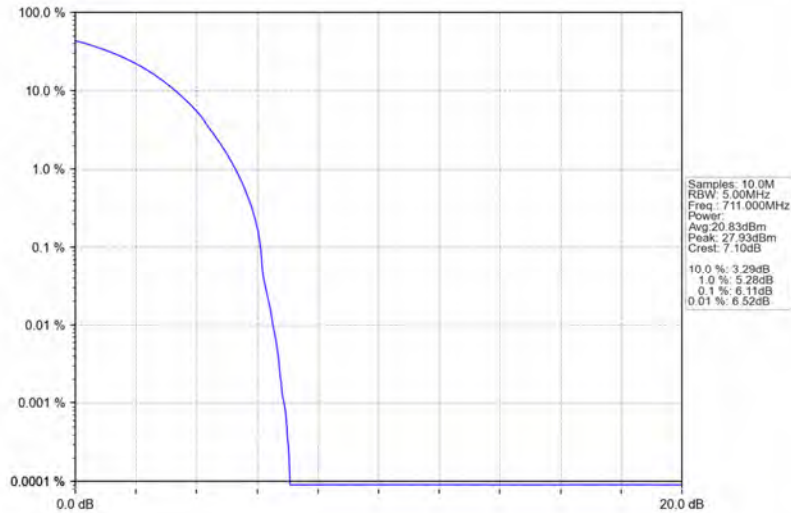


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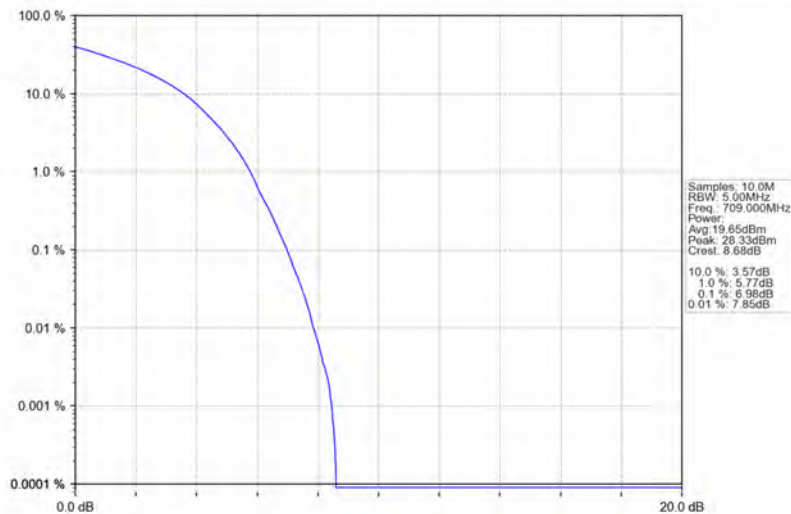
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Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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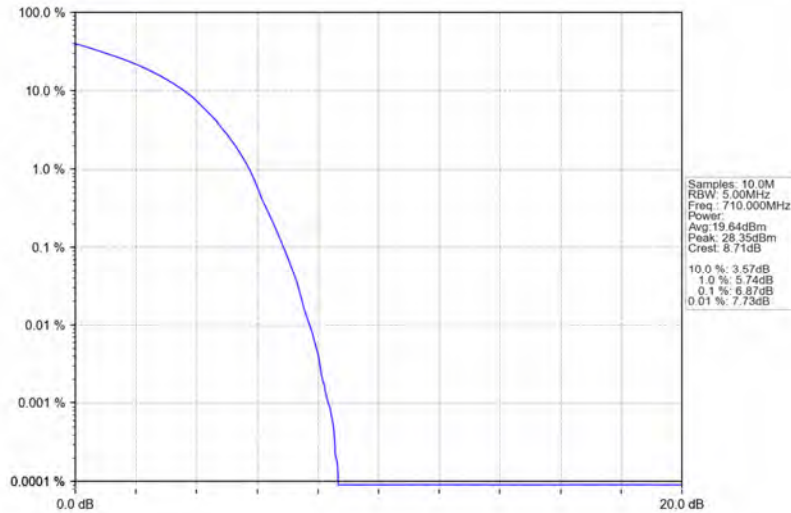
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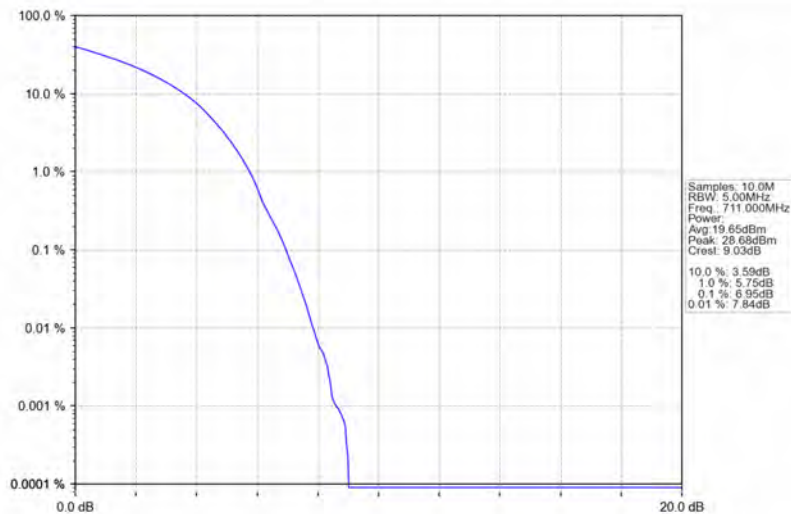


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EMC Laboratory

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



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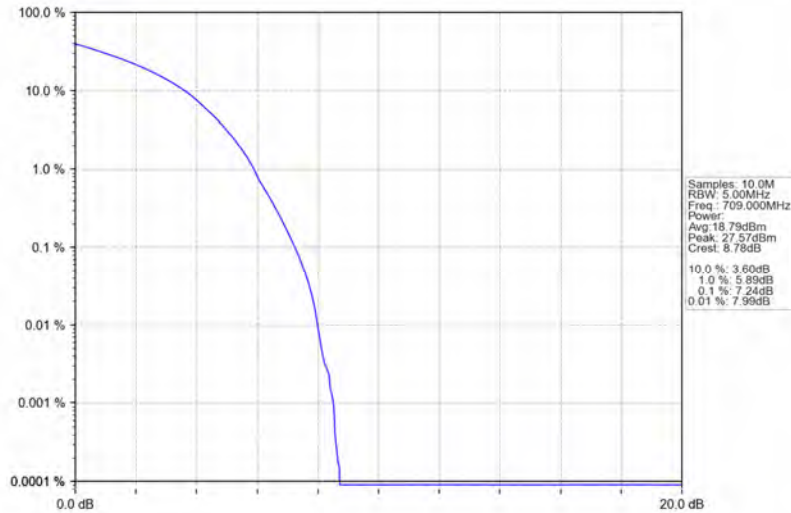
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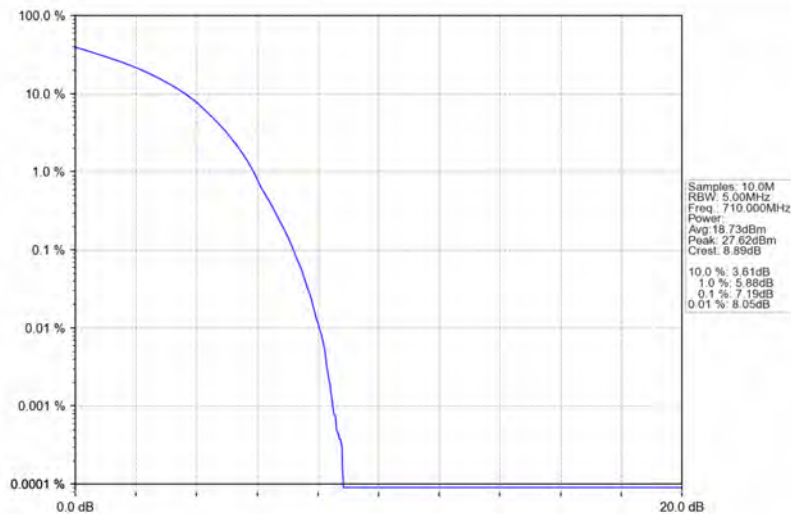
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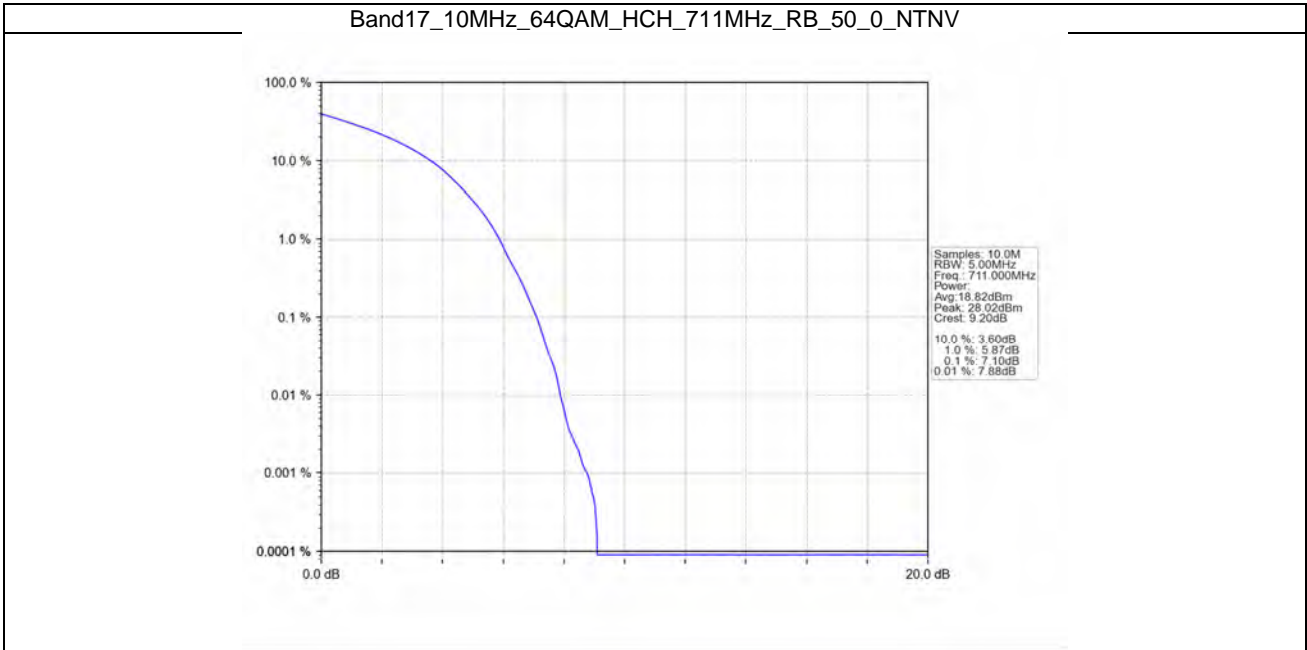
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6. Spurious Emission

6.1 B17_5MHz

6.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
	713.5	25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
	713.5	25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
	713.5	25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



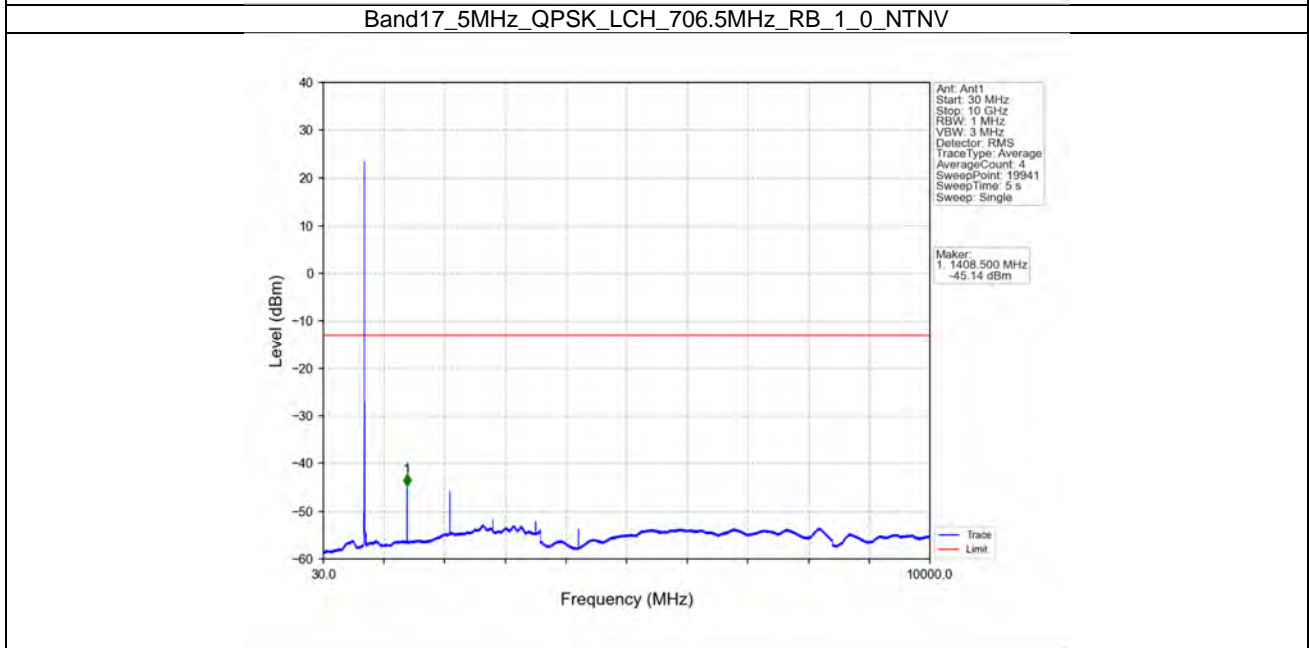
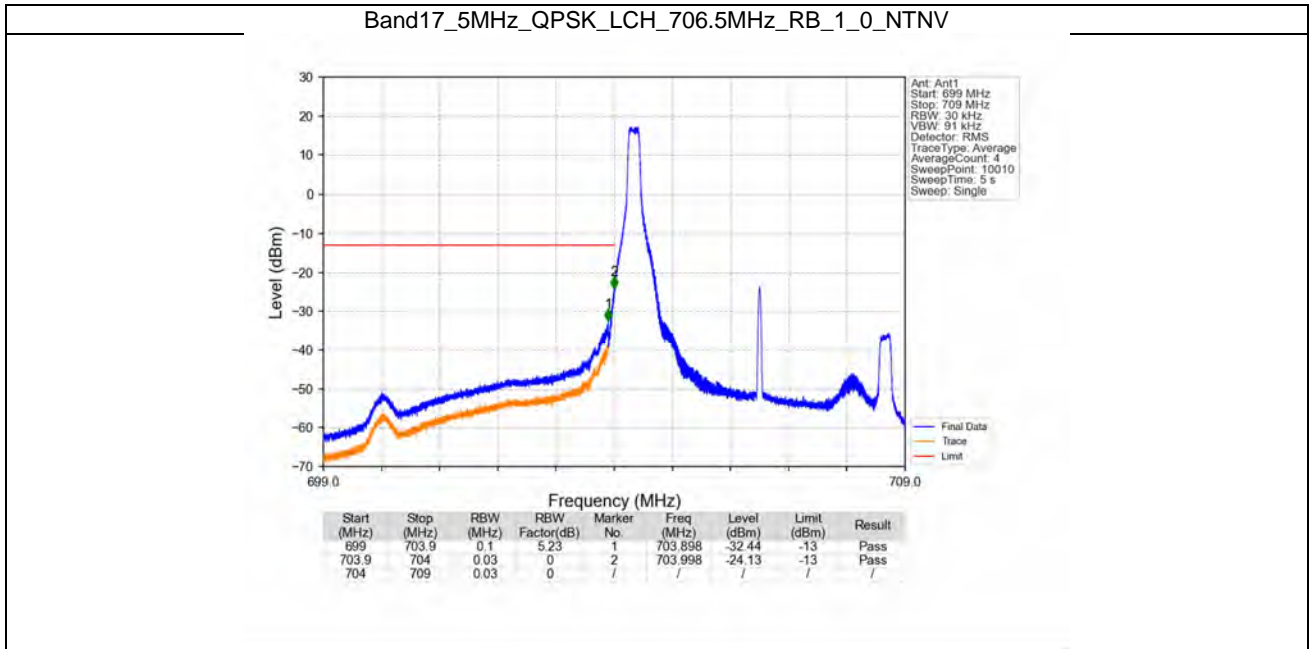
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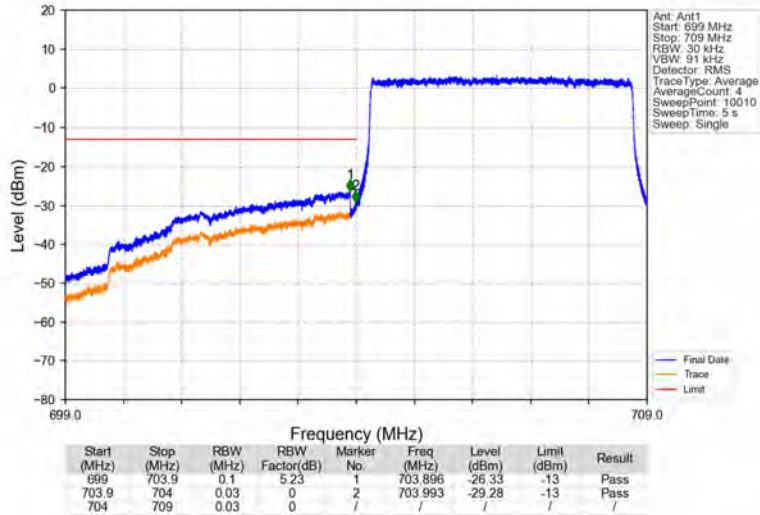
6.1.2 Test Graph



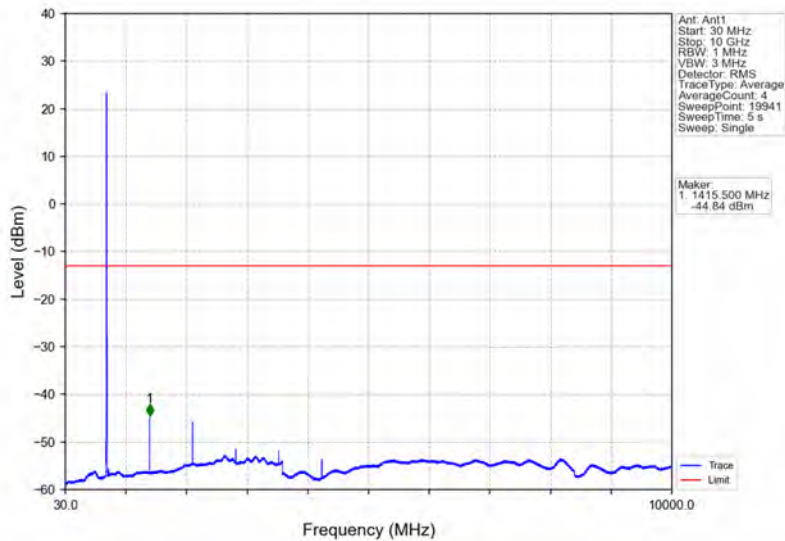
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Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



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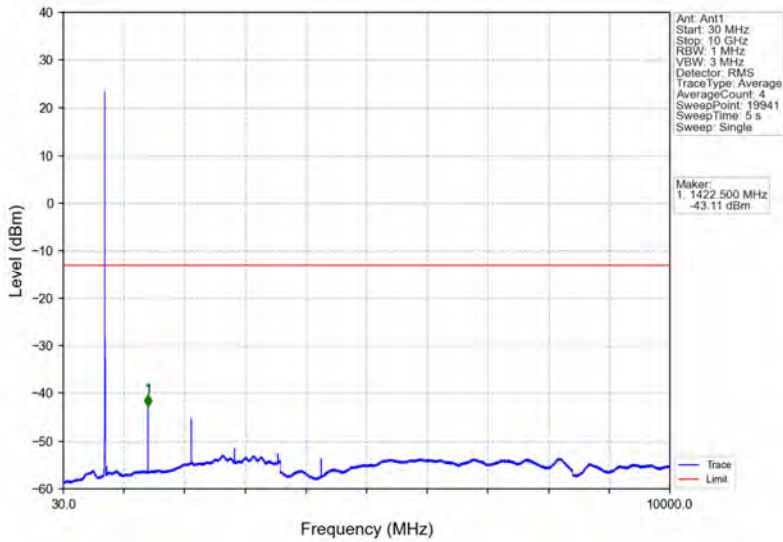
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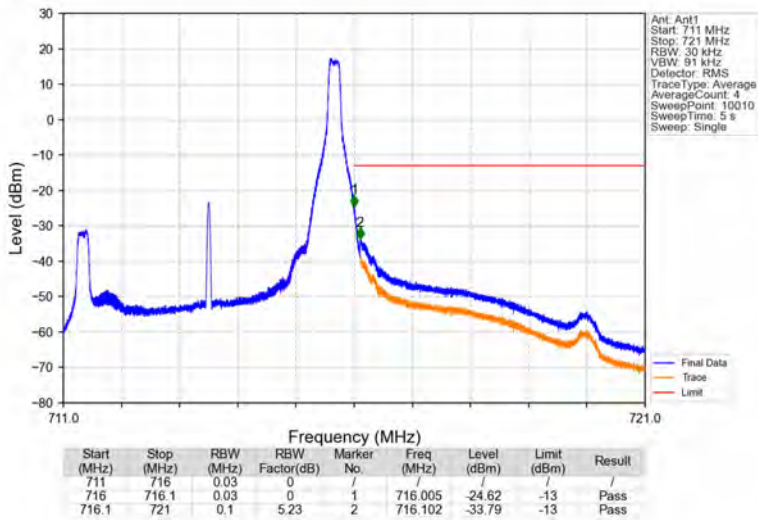
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Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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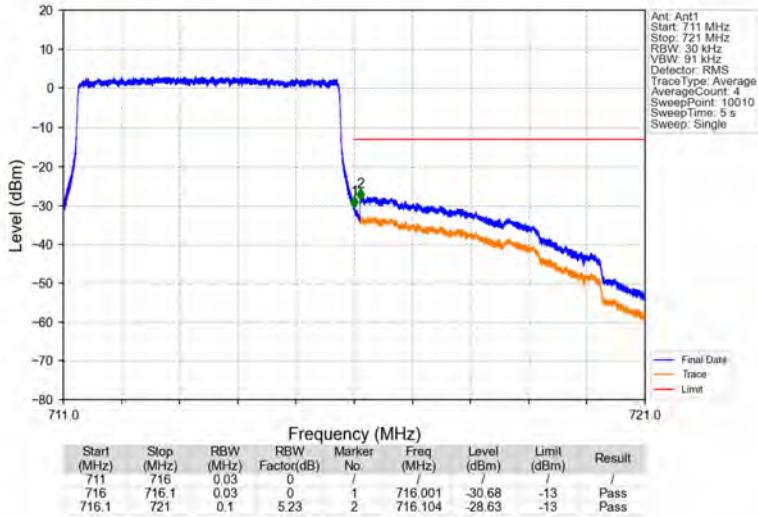
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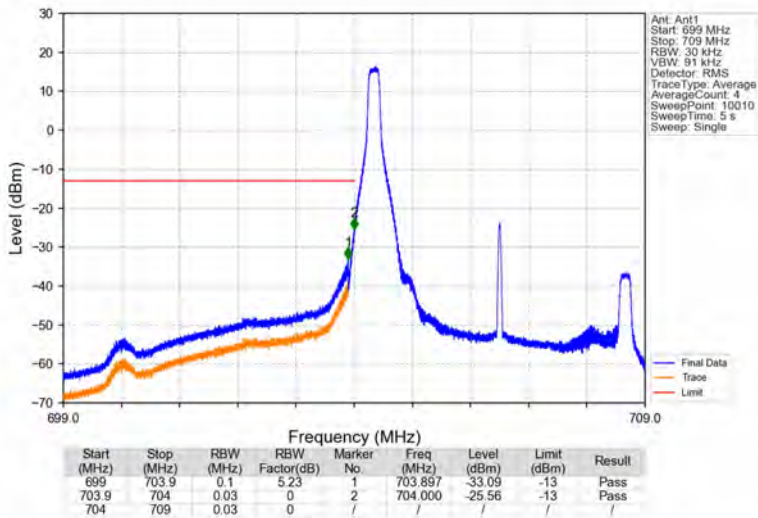
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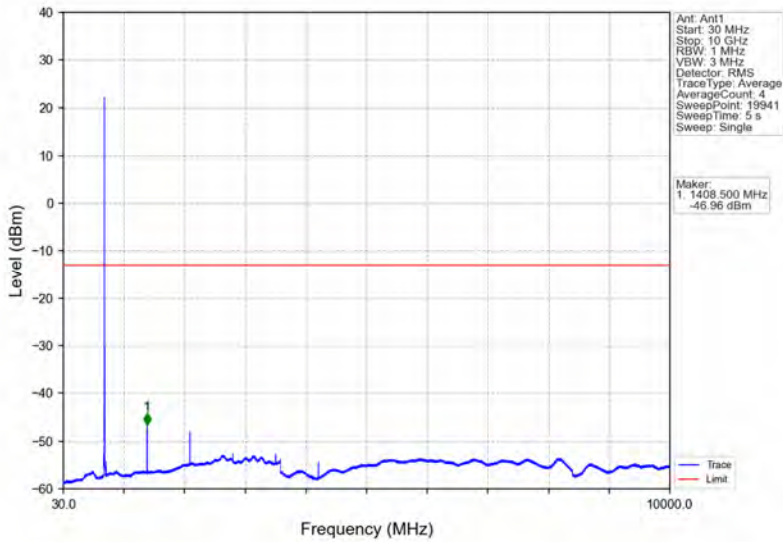
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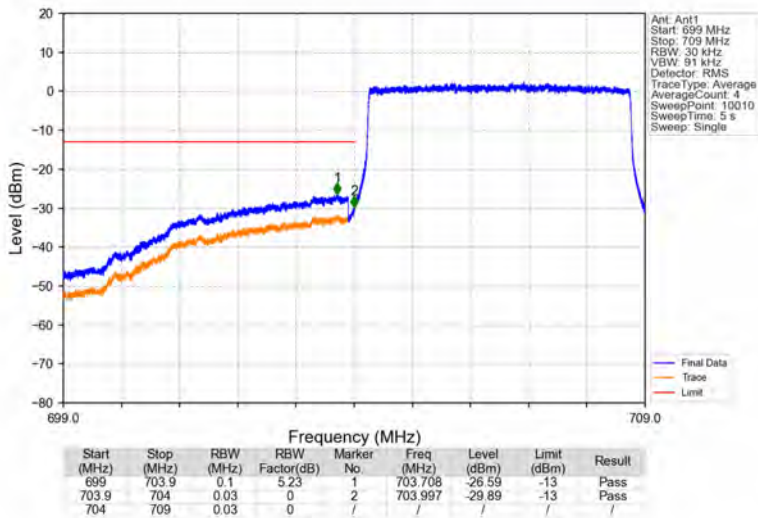
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Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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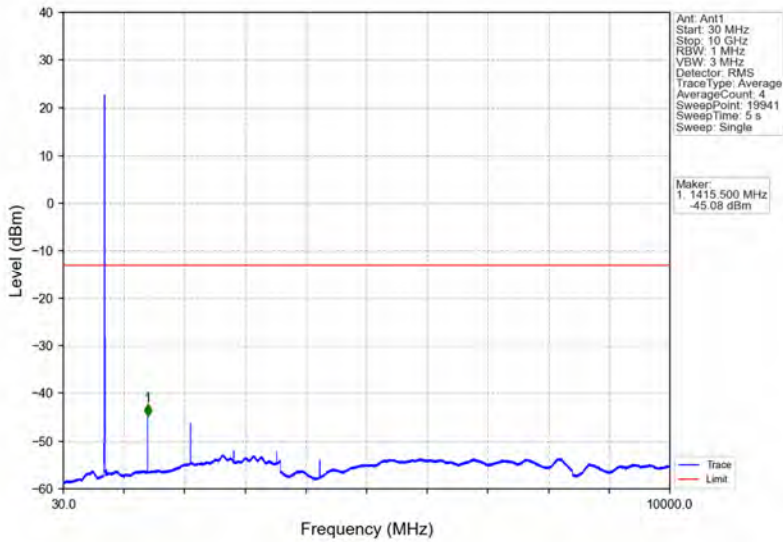
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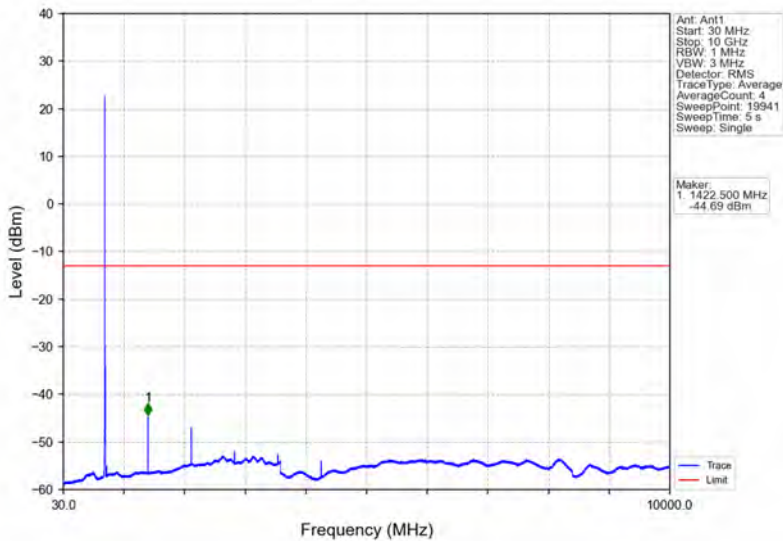
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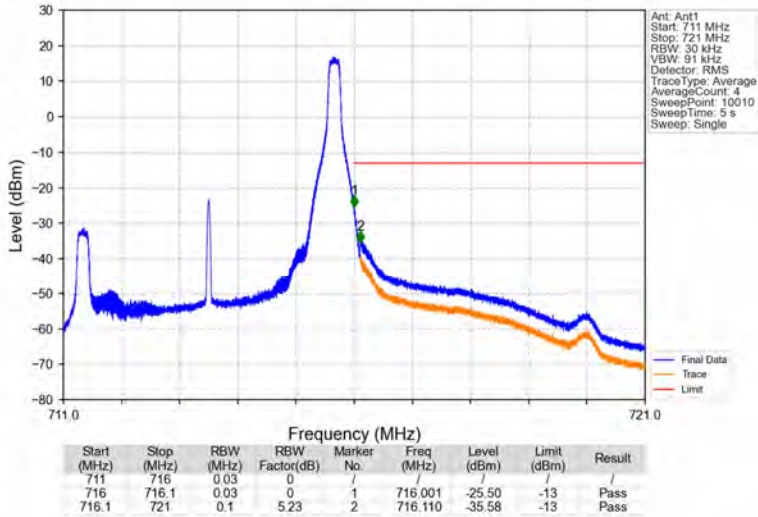
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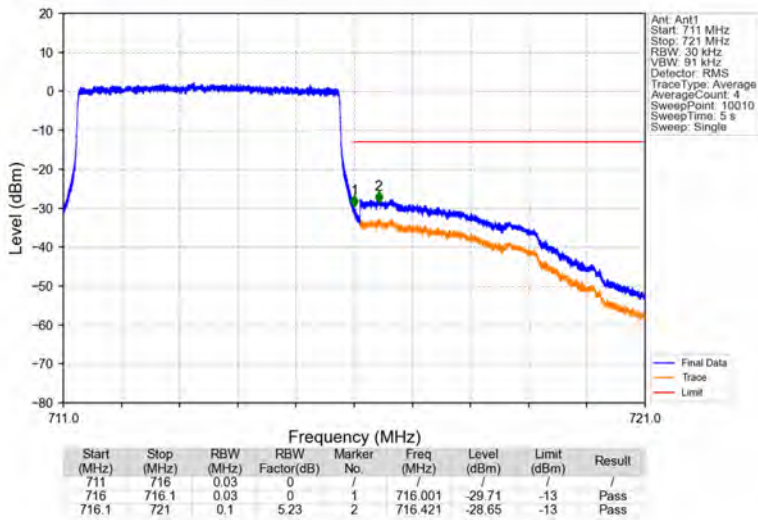


Compliance Certification Services (Kunshan) Inc.
EMC Laboratory

Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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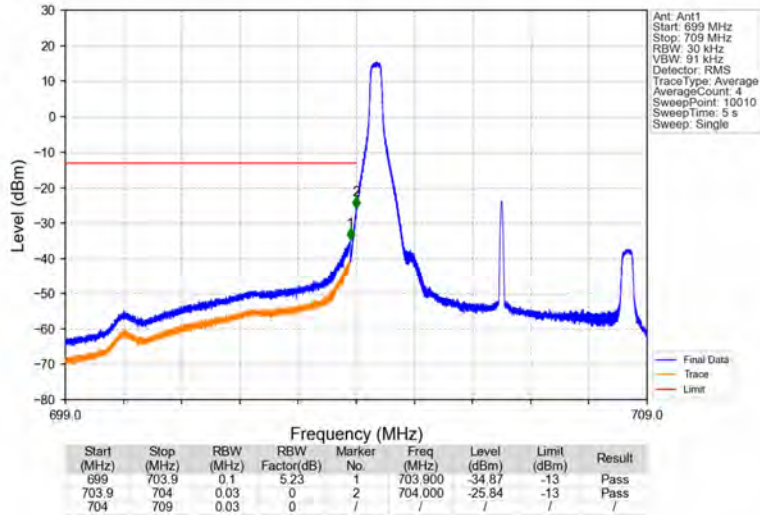
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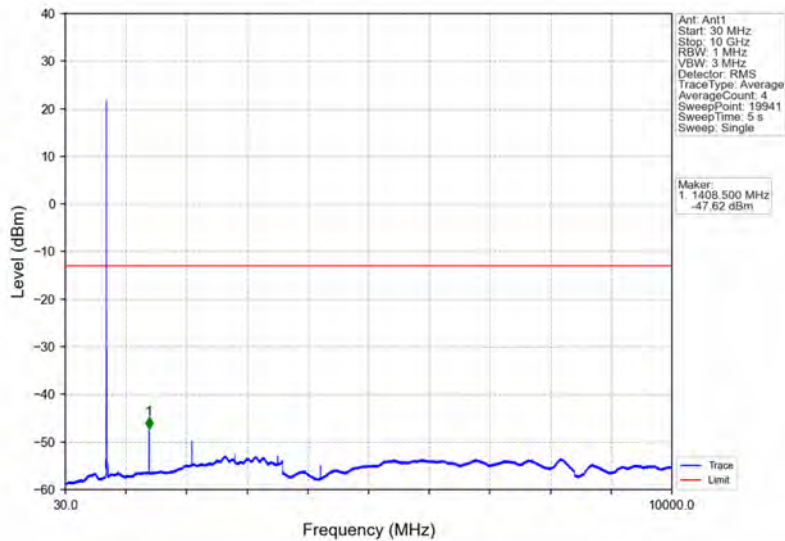
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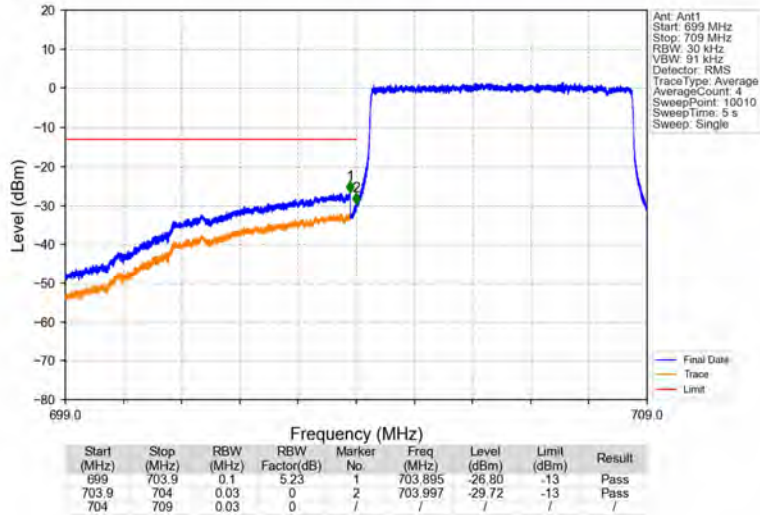
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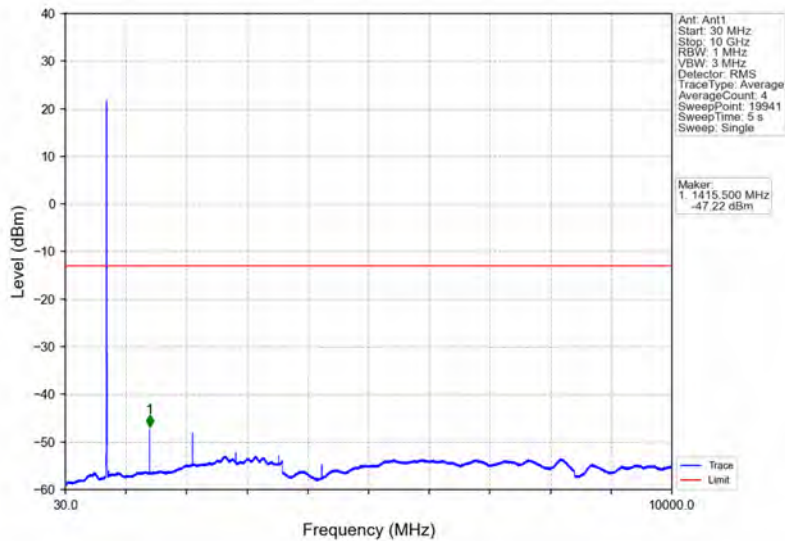
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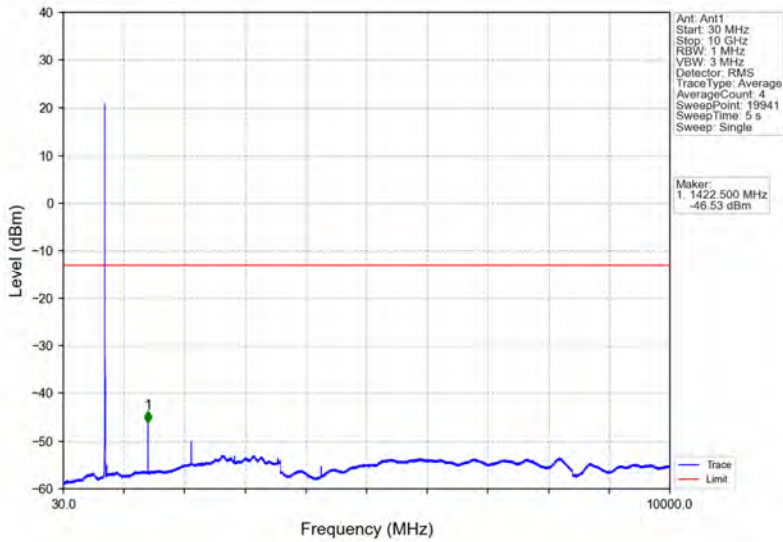
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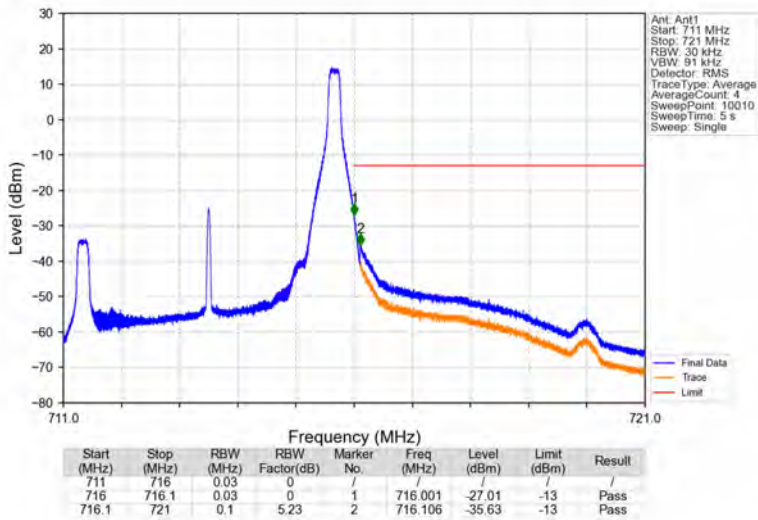
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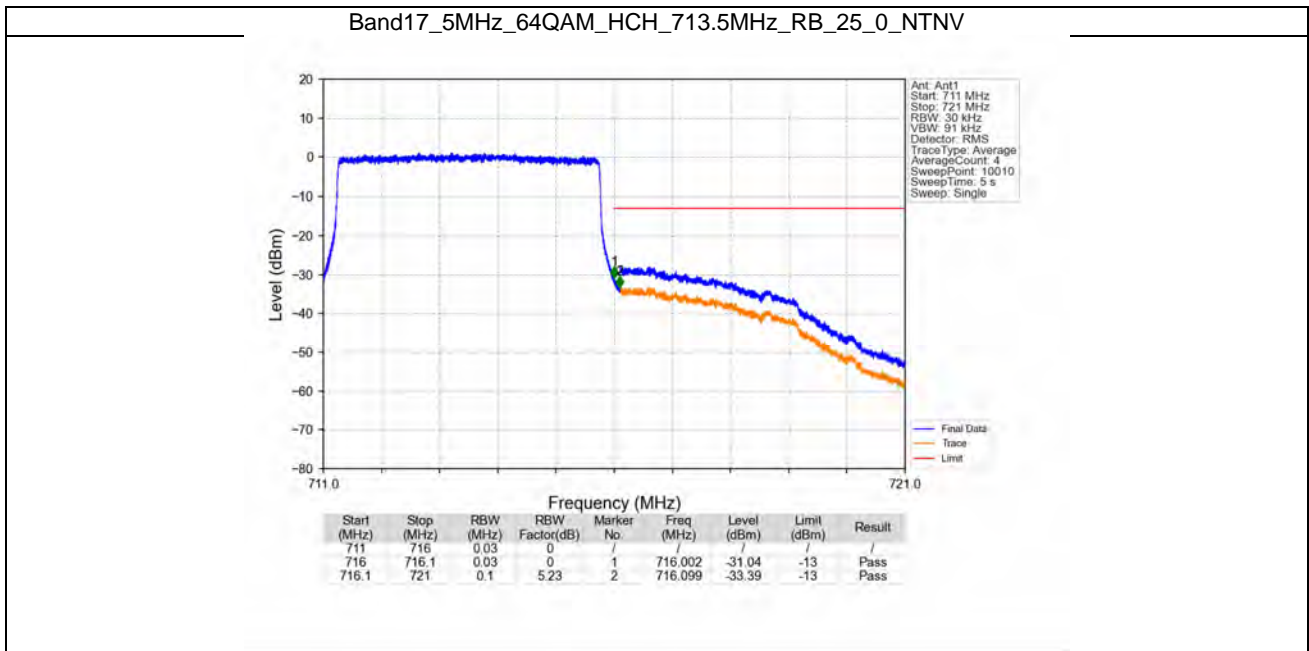
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6.2 B17_10MHz

6.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

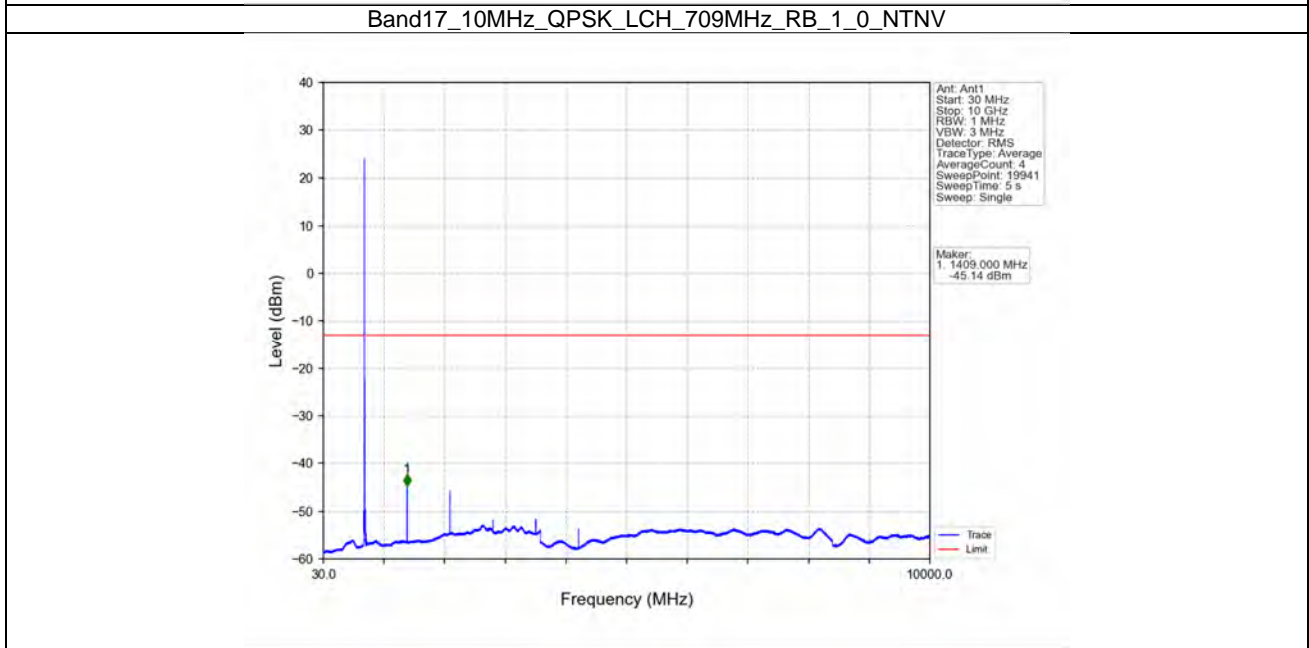
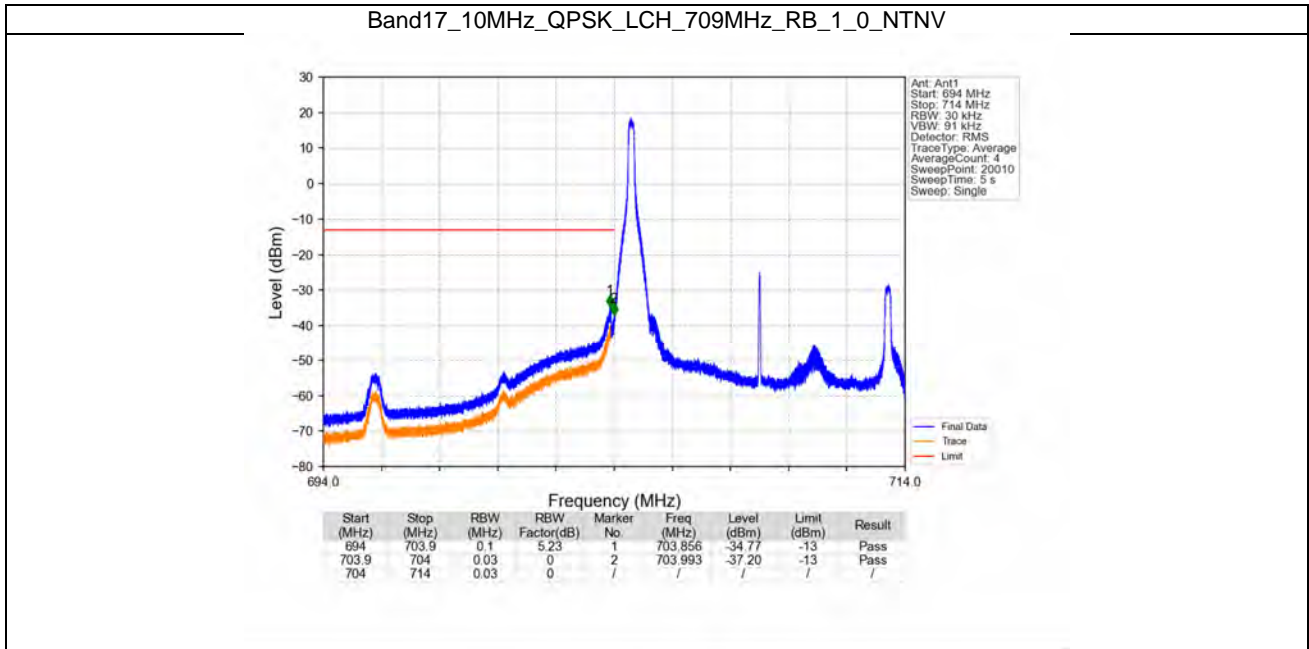


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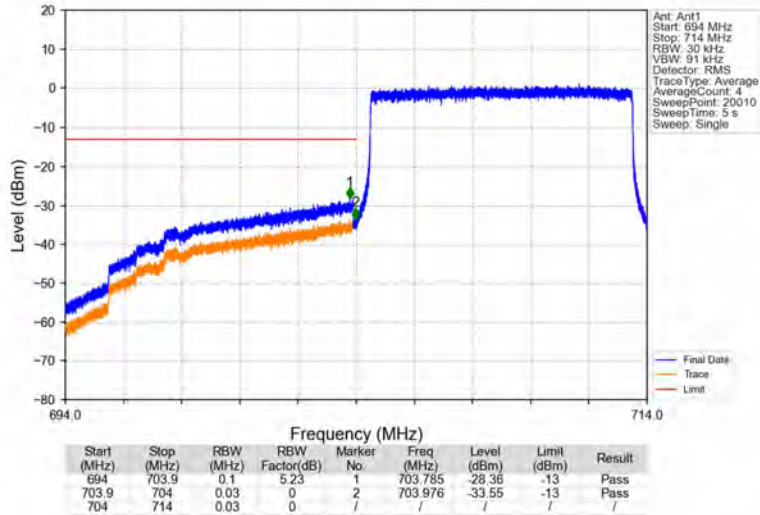
6.2.2 Test Graph



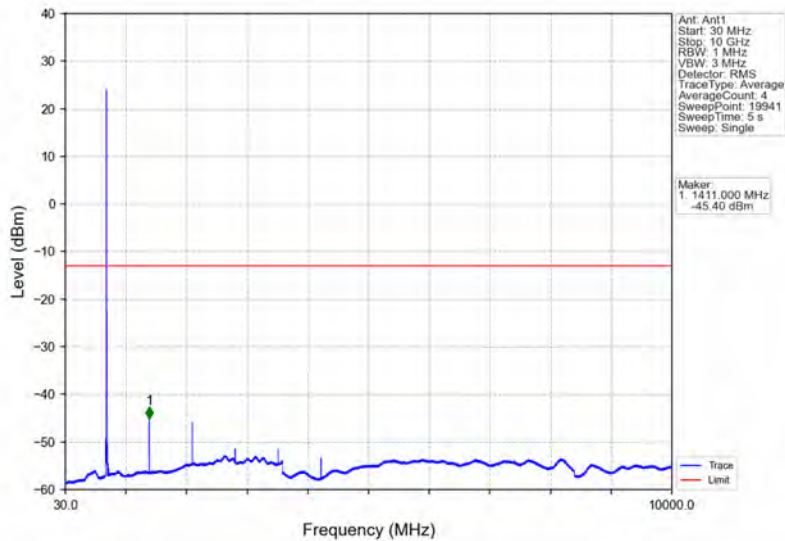
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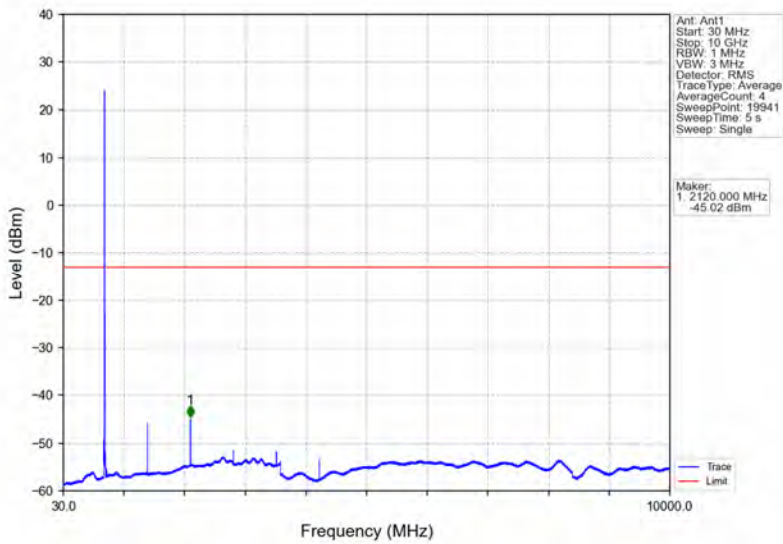
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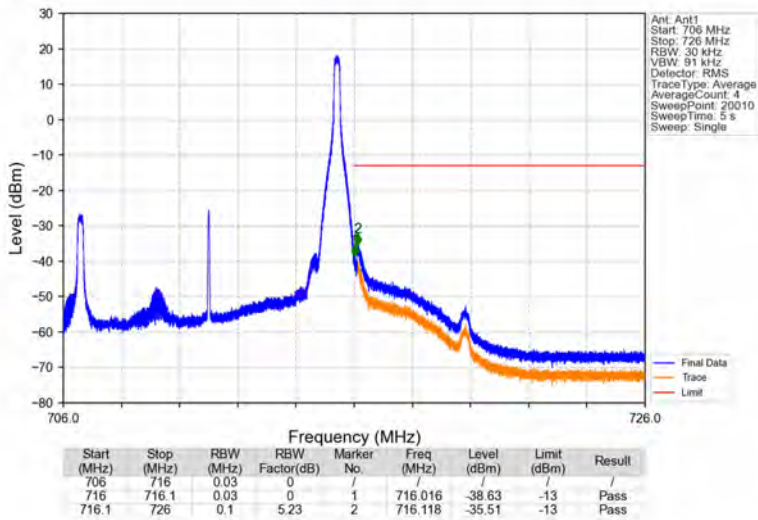
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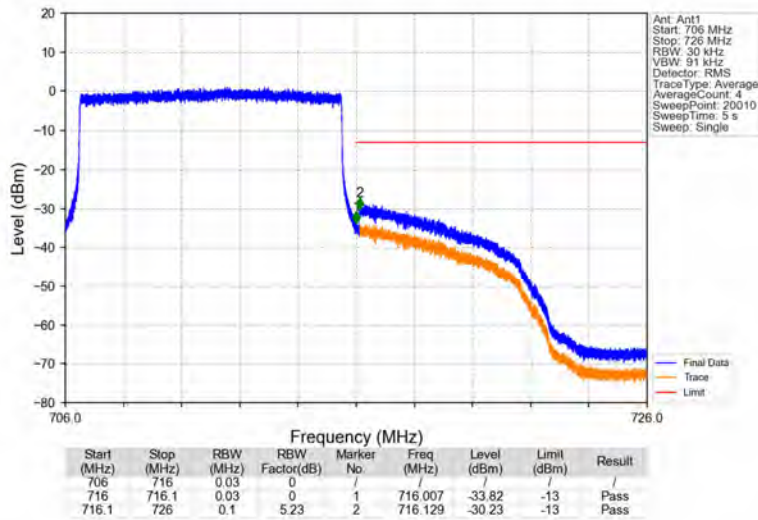
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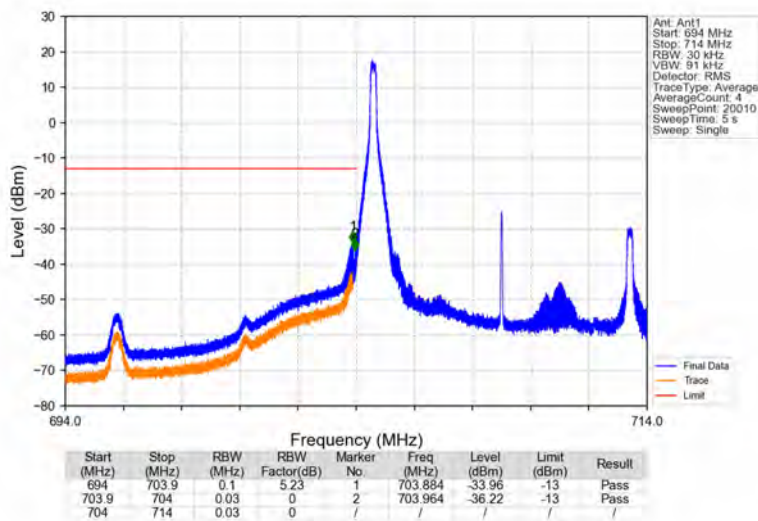
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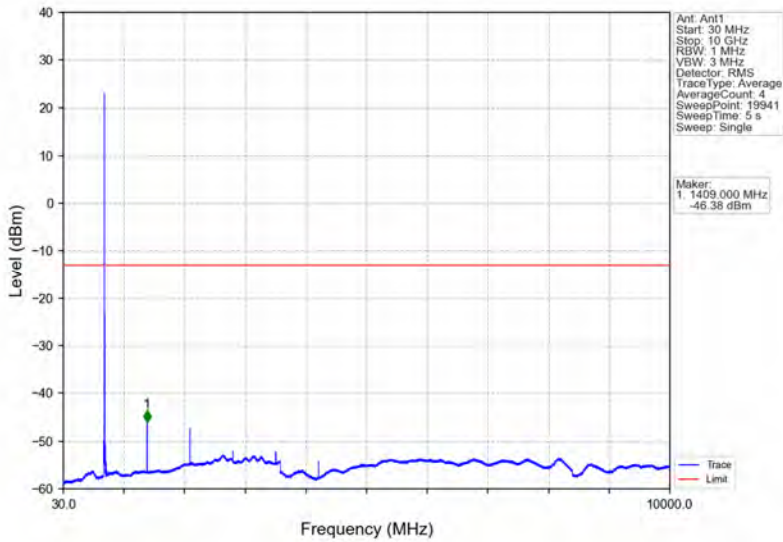
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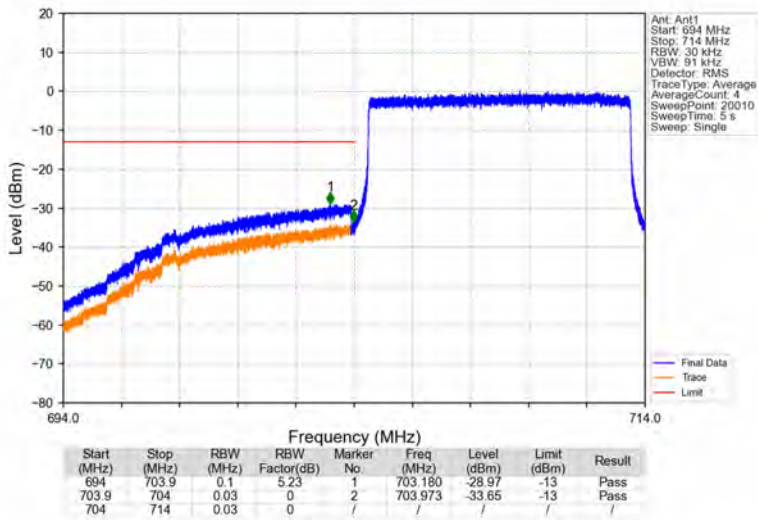
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Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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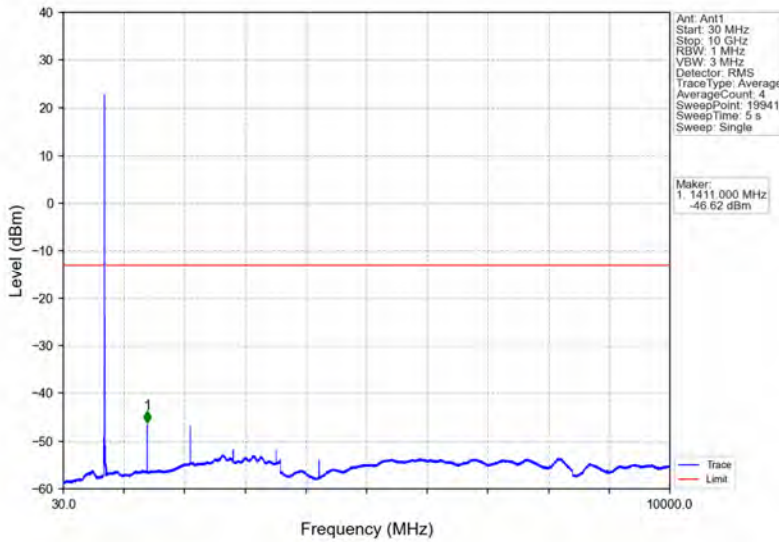
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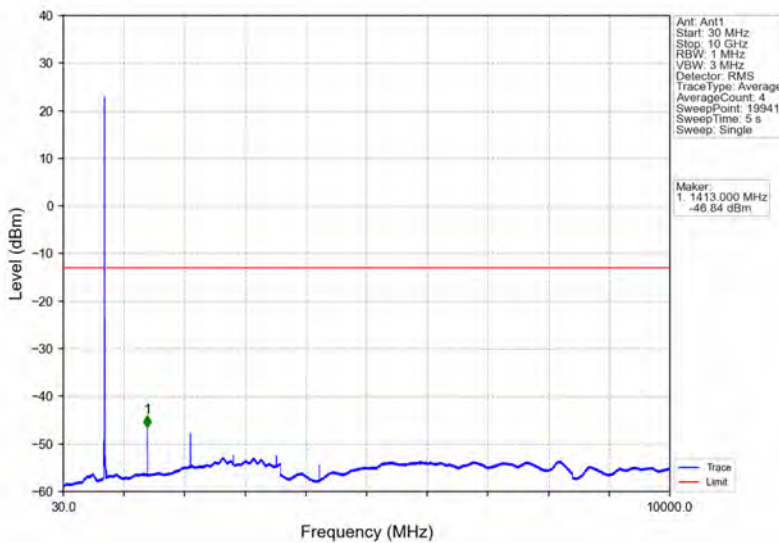
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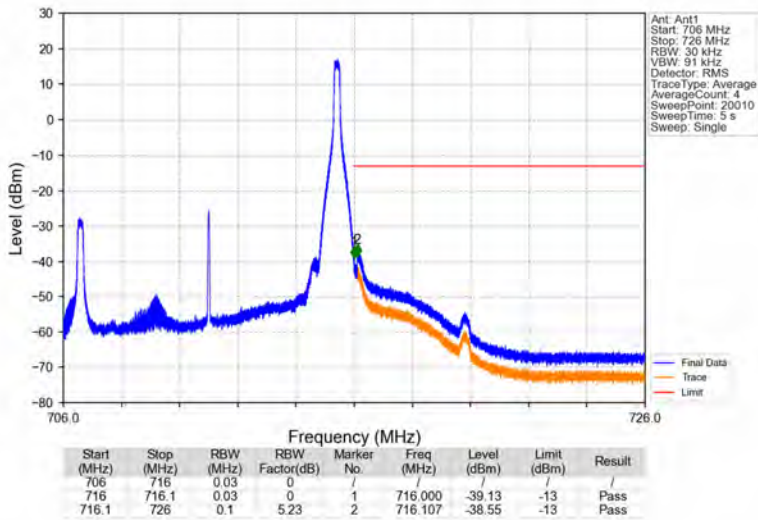
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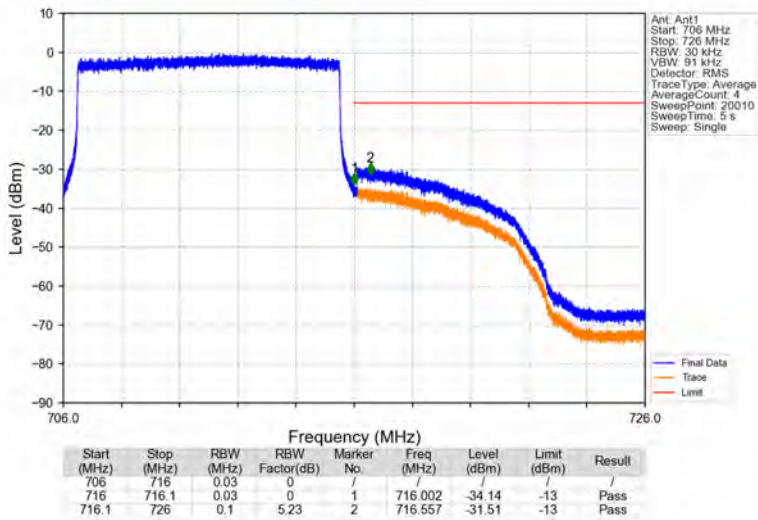


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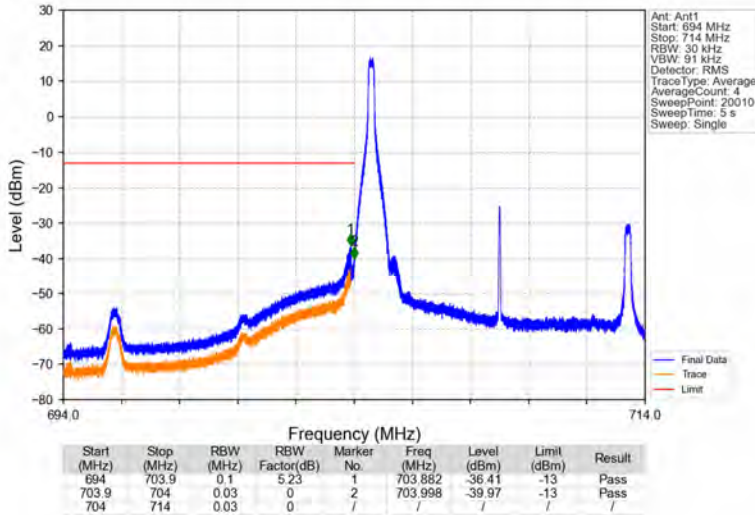
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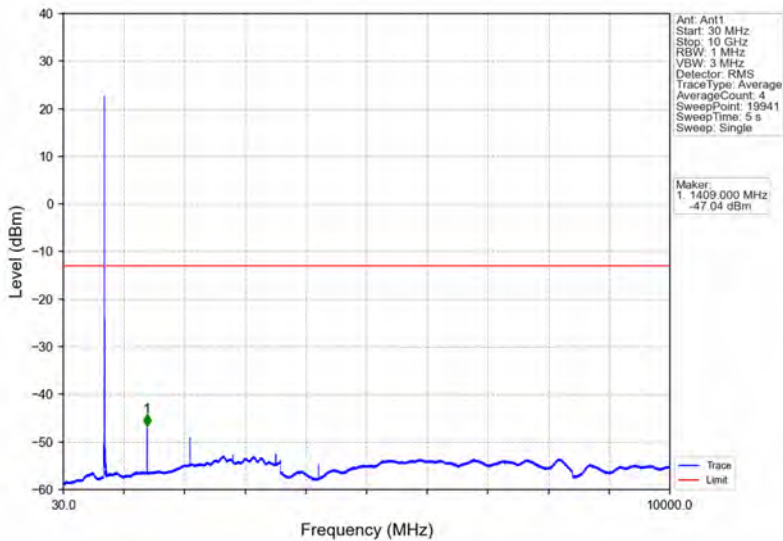
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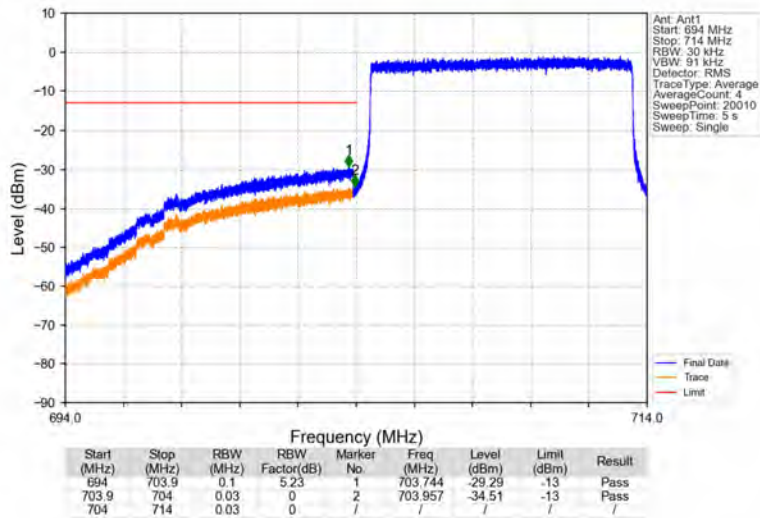
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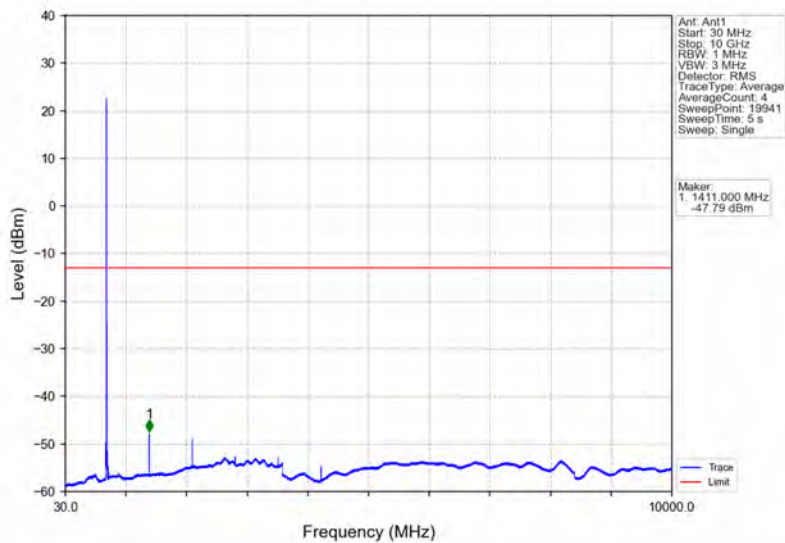
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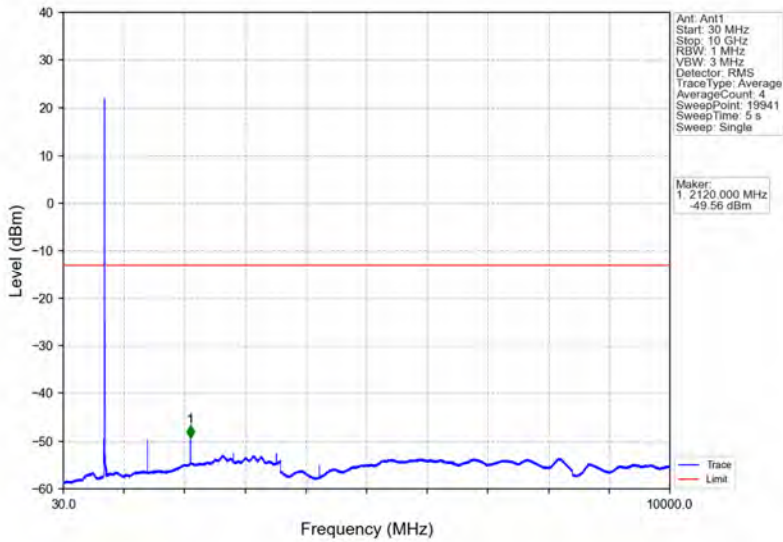
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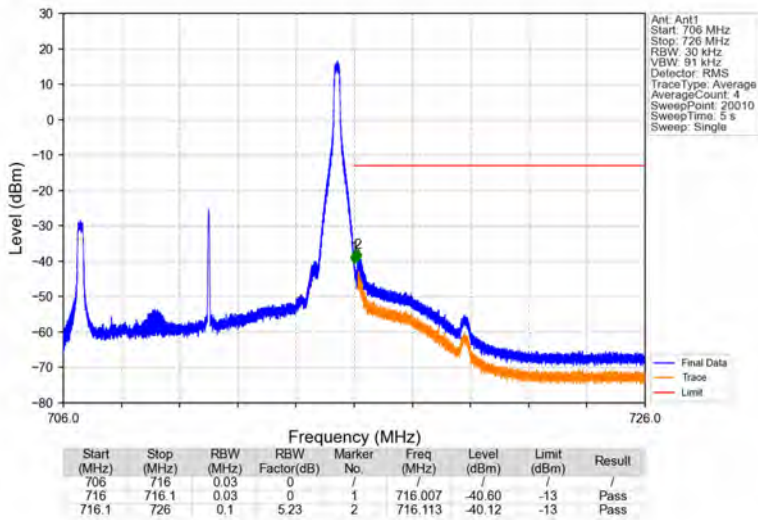
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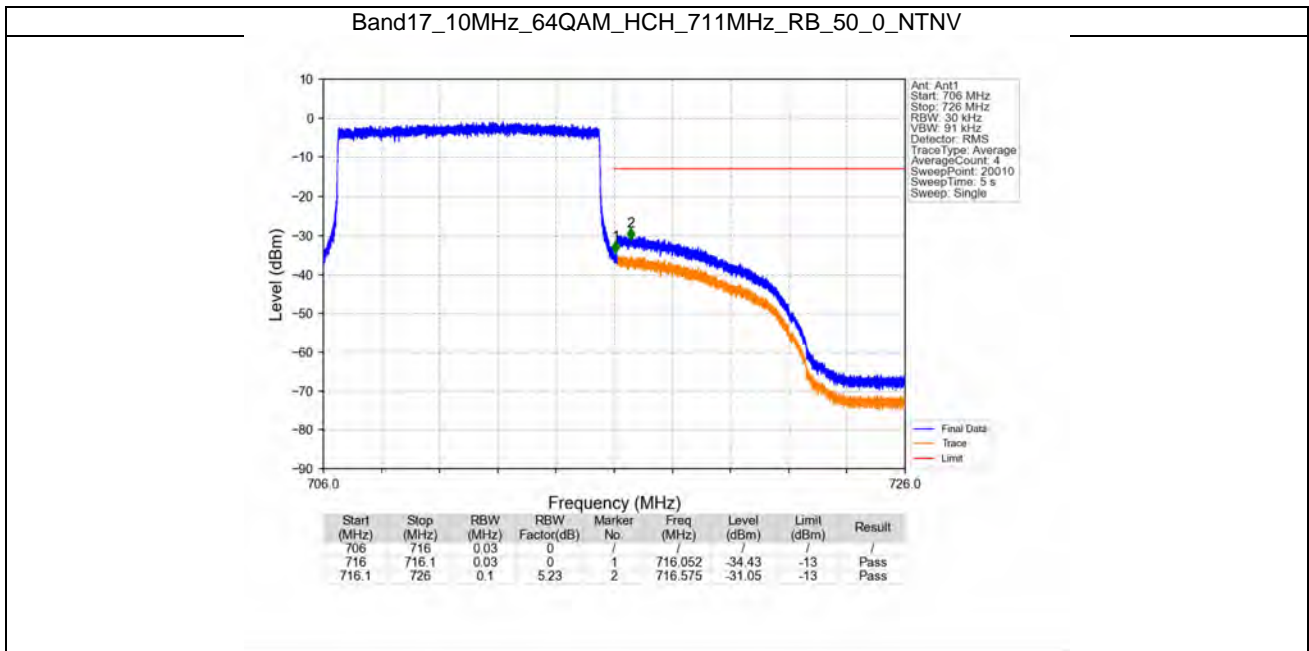
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